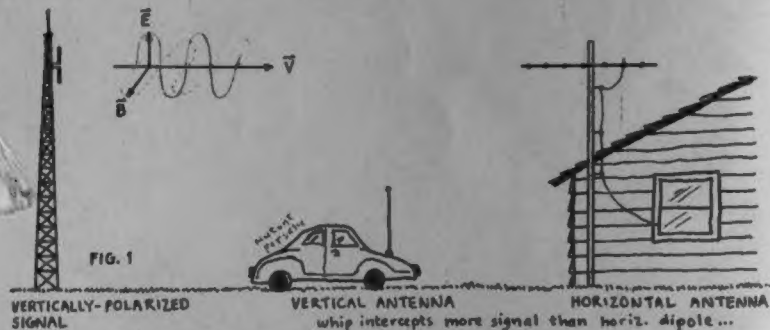


TECHNICAL TOPIX

What is meant by "polarization"? Why does a TV station broadcast with circular polarization? What's the difference between horizontal and vertical polarization? How does it affect DX? This article should serve to explain this, and introduce the reader to the idea of wave polarization.

Polarization of a radio signal is defined by the direction of its electric lines of force with respect to the earth. Any electromagnetic radiation (radio, light, x-rays, etc.) can be described in terms of three vectors. An automobile moving at some rate of speed and in some specific direction can be represented by a vector. Similarly, a radio signal is described by a velocity vector, \vec{V} , a magnetic field vector, \vec{B} , and an electric field vector, \vec{E} , which are all at 90° to each other. (See Fig. 1)

For radio and TV broadcasting, the polarization of a signal is an important consideration, for it affects how well a program will be received, and to a limited extent, how far. A wave whose lines of force are transmitted perpendicular to the earth is said to be vertically polarized (v). Horizontal polarization (h) implies electrical force parallel to the ground. The physical orientation of the transmitting antenna determines the type of polarization, at least at the onset of the wave's travel, and for the line-of-sight path between transmitter and receiver along a flat earth. Thus, if the elements of the antenna are horizontally oriented, a horiz. signal is transmitted, and so forth.



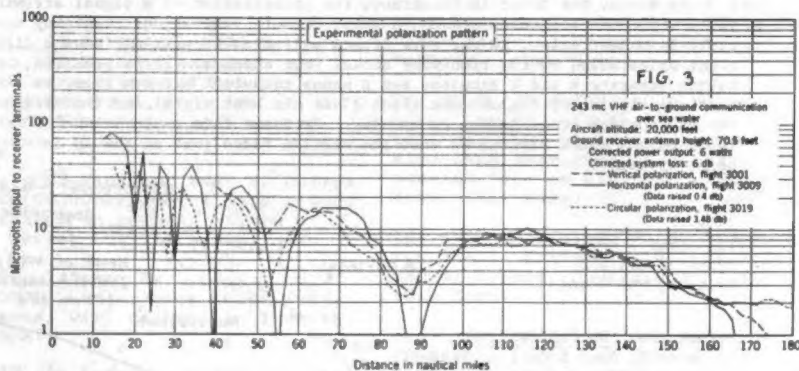
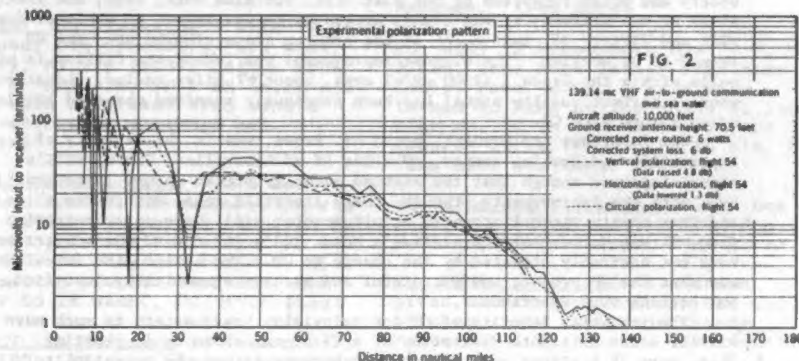
For VHF and UHF frequencies, it is important that the receiving antenna match the orientation of the transmitting antenna. This is because the polarization of a VHF wave remains quite constant. The term "polarization discrimination" means that a vertical antenna will not efficiently intercept a h signal, and vice-versa. This factor may be as great as 30-35 dB. This is a useful phenomenon for DX'ers who have both a horiz. antenna and a vert. antenna on a mast and can switch between them. Sometimes a local station, say, with only an h signal, can be nulled enough by the vertical antenna so that a DX signal can come in.

There are an infinite number of possible antenna orientations, but only h and v are in common use. (A third, circular polarization, will be considered later.) Recognizing that receiving antennas of both types are used, most TV and FM stations simultaneously transmit a h and v signal. It can be said that in the past, everybody in the broadcasting business used h, but later on in the 60's v was authorized to accommodate listeners in automobiles. Also, there is evidence that a vertically-polarized signal carries better into valleys and shadow areas where a h signal would be lost.

Adding vertical polarization to an existing broadcast facility involves investment in a second antenna, and proper cabling/power splitting to enable the same transmitter to deliver power into both antennas with correct matching. Often the second antenna is identical to the first, and is simply mounted on the tower at a 90° angle with respect to the original. For such cases, there is normally no change in the station's ERP or coverage. There is no proof that v signals always carries farther than h signals, but it is true that a v signal undergoes less groundwave attenuation than a h signal of the same power. The vast majority of all FM broadcasters now use both h and v.

Circular polarization (CP) imparts a circular, corkscrew characteristic to a radio wave. Rather than stay fixed horizontal or perpendicular to the ground, the wavefronts make one revolution per period. This is a very important characteristic because it makes the signal much less susceptible to multipath effects. Using CP will practically eliminate TV ghosting in many cases, and will ensure that a FM signal is received with equal quality no matter what the orientation of the receiving antenna.

Figures 2 and 3 are some results of extensive experiments performed in the 1950's using transmitters aboard aircraft—a convenient way to vary the length of the radio path. The graphs pretty much tell the story by themselves. Notice how, for the 139 MHz case in Fig. 2, the transmission from a horizontal antenna suffered some extreme peaks and nulls in the first 35 miles. It isn't hard to imagine living out in the suburbs just far enough from the tower of your favorite TV station to be in one of these nulls. Notice how the vertically-polarized signal tends to fill in the nulls of the h signal, but has its own nulls at other locations. Apparently the simultaneous transmission of h and v signals will minimize the effects of nulls at moderate range.



There is an extremely useful advantage to CP that Figs. 2 and 3 do not show. Firstly, a CP signal can be a right-hand or left-hand type; that is, a CP signal is made to either spin right or left. The receiving antenna must correspond to this choice. For instance, if a TV signal is sent out over a helical, left-hand spiral antenna, a helical right antenna will not effectively receive the signal. If any CP signal is reflected, its orientation is reversed. Therefore, a left-hand antenna will receive only the direct signal, and will reject the right-hand reflections. In this way, multipath problems are almost eliminated. Any linear h or v antenna will still receive the CP signal regardless of orientation.

Commercial broadcasters sometimes invest big bucks to find out where there are nulls or noisy spots in their coverage area. Obviously, station WAAA would not want their signal to be poor in a certain part of town where a competing station's signal, WBBB, comes in loud and clear. Often the use of CP will ensure that local nulls will be cancelled most of the time.

One example of CP broadcasting is that of WEZK 97.5 in Knoxville, TN. This easy-listening station learned of some serious multipath problems from the hills and tall buildings within the city. When the aging Collins h and v antennas appeared in need of replacement, the station decided to use the opportunity to try CP. The appropriate permits were granted by the FCC, and WEZK started broadcasting a CP signal in 1984.

The map of Fig. 4 illustrates the radio problem caused by East Tennessee rough terrain. Knoxville is in a gently rolling valley, but tall hills and low mountains stretch from SW to NE and surround the length of the valley. One problem area in particular was around Sevierville and Gatlinburg. These towns, and the Smoky Mountains Park are all within a 40 mile radius, but are also in the shadow of two long, low mountains and numerous high balds that render all the Knoxville stations very noisy. Here, a translator was set up to re-broadcast WEZK's programming and is apparently a satisfactory solution.

There are several problem areas in the city itself, where there is spotty and noisy reception of not just WEZK, but also WOKT, WIMZ, and WIVK. After CP was started, it was found, according to Jim Brown, an engineer for WEZK and WTVK-TV 26, that a lot of the problem areas cleared up. The CP seemed to be working: the biggest improvement was indeed the filling in of nulls within the Grade A (1000 μ V/m) area, about 47 miles radius. Locations where a perfect quality signal had been previously received observed little or no change with CP.

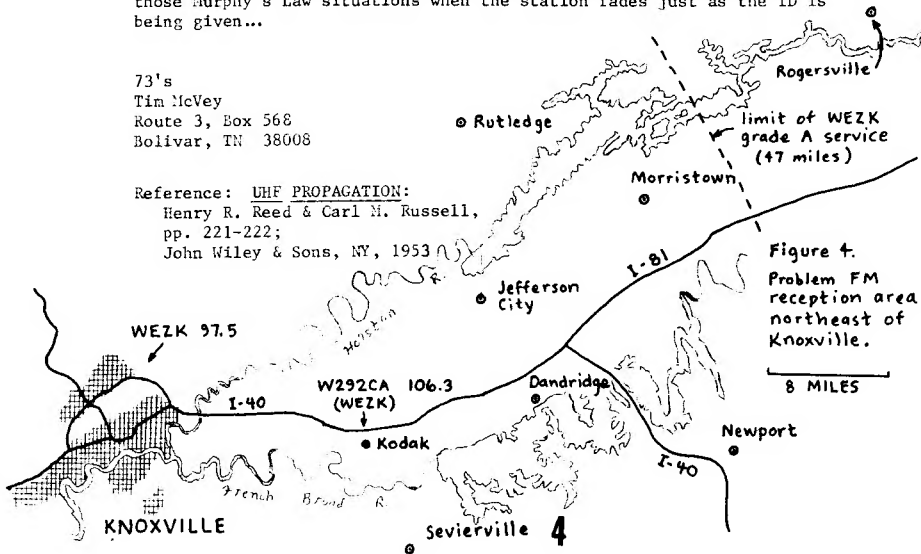
One important improvement, noted Mr. Brown, was in the vicinity of Rogersville and Hawkins county, 60 miles NE of Knoxville. There, WEZK's signal improved enough that the station actually picked up new listeners. Even with the improvements, though, there are still areas within Knoxville and Knox county where listeners, unfortunately, still have noisy reception. Also, it was noted that the station's Muzak SCA's (67 and 92 kHz subcarriers) were not noticeably affected by the change to CP. The bottom line for WEZK was that the CP project was successful and perhaps economically justified, but nothing very spectacular.

The potential benefits of CP for television broadcasters is much more visible since multipath distortion of a TV signal shows up as ghosting. Thus, more TV stations have embraced CP because it has the potential to significantly improve service without affecting coverage.

As far as the DX'er is concerned, the polarization of a signal arriving via a reflected ionospheric path (E-skip, meteor, auroral, or lightning scatter) is a moot point, as the wave fronts will almost certainly have a different orientation by the time they tickle your antenna. It is possible, by having separate v and h antennas and a means to switch between them, to continuously select the antenna which gives the best signal, and thus reduce the fades which occur during an opening. No doubt this would be useful for those Murphy's Law situations when the station fades just as the ID is being given...

73's
Tim McVey
Route 3, Box 568
Bolivar, TN 38008

Reference: UHF PROPAGATION:
Henry R. Reed & Carl N. Russell,
pp. 221-222;
John Wiley & Sons, NY, 1953



QSL CORNER

THOMAS J. YINGLING, JR
221 PINewood ROAD, BALTIMORE, MD 21222-2345
PHONE # 301-282-5649



TV QSL's

RI WSTG 64 Providence * 33 Pine St., Rehoboth, MA zip 02769-1406. Coverage-map, bumper-sticker & full data qsl on index card from John McManus, Engineering Supervisor in 2 weeks. (Yingling)

NY W59AT 59 Plainview * WLIG-TV 55 Riverhead, 175 Crossways Park West, Woodbury, NY zip 11797. Letter from Marvin R. Chauvin, VP & GM which now relays WLIG programs. Also send a bumper-sticker & coverage map. (Yingling)

MA WHLL 27 Worcester * 276 Boston Turnpike, Box 27, Shrewsbury, MA zip 01545. Letter & coverage map from Bece Cantu, Promotion Manager in 1 week. He says they are owned by Hill Broadcasting, which also operates WFTV-TV 50 in Wash., DC. (Yingling)

CT WHCT 18 Hartford 18 Garden St., zip 06105. Letter & message pad from Paul A. Rossi, CE in 2 weeks. (Yingling)

MD WKJL 24 Baltimore 4820 Seton St., zip 21215. Send back my prepared card after follow-up, signed by Donald E. Elly (?), Operations Supervisor in 3 months. (Holbrook)

NJ WSJT 65 Vineland 4449 N. Delsea Dr., zip 08360. Prepared card signed after follow-up report, signed by Daniel Merle, CE. (Holbrook)

FL WPBT 2 Miami P. O. Box 2, zip 33261-0002. Letter back from Graham R. Simmons, Dir. of Eng. in 1 month. (Holbrook)

FL WBBH 20 Fort Myers 3719 Central Ave, zip 33901. Letter from Howard L. Hoffman, VP & GM in 5 days. (Van Horn)

FL WCJB 20 Gainesville P. O. Box WCJB, zip 32602. Letter plus logo sticker from Michael Sherrill, CE in 18 days. (Van Horn)

FL WIFE 55 Leesburg * 4520 Parkbreeze Court, Orlando, FL zip 32808. Prepared card back from chief engineer, but name is unreadable in 14 days. Also send station

promotional material & program schedule. (Van Horn)

NE KNLE 3 Lincoln P. O. Box 83111, zip 65501-3111. Letter, NETV factbook & program guide in 21 days from Kent Steele, Asst. Program Manager. (Van Horn)

NC WFMV 2 Greensboro Box TV-2, zip 27420. Very nice letter from Mike Conly, Pres. & GM. I have also talked to Mike on the phone at local WTLV ch. 12 in Jax. so send your reports for WTLV ch. 12 to him. He runs both stations. (Van Horn)

NC WJKA 26 Wilmington P. O. Box 2626, zip 28403. Letter from Bob LeClair, CE in 7 days. (Van Horn)

NS CBHT 3 Halifax no address given, letter, qsl card & CBC cloth sticker in 10 days from Brenda Vandervoat, Secretary. (Van Horn)

SC WIS 10 Columbia P. O. Box 367, zip 29202. Letter, prepared card, coverage-map & program schedule from Diane Bagwell, Program/Promtion Manager. (Van Horn)

SC WOLO 25 Columbia no address given, brief note from chief engineer, but name is unreadable. Also send desk cube note pad with station logo on all four sides in 33 days. (Van Horn)

TX KMID 3 Midland P. O. Drawer B, zip 79711. Letter in 14 days from Shorty Stokes, Operations Manager. (Van Horn)

Reporters this time are Hank Holbrook, Larry Van Horn & Tom Yingling, editor. Send in some more qsl items soon, as I'm low again. In the July VUD, the Layout Assoc. used both pages I send in instead of just one for each month. So in your next qsl report, send in any call letters of stations you found will not verify, or you had trouble to verify. Also send in the person you find does the most verifying. Like do you find that the chief engineer will verify more than the general manager, & so on. Read the comments in last month column for more details. 73's



NORTHERN FM-DX

AUGUST 1986

Please forgive the absence of NORTHERN FM DX from these pages for the last few months. The newspaper business is proving to be busy - much more so than I ever expected. Plus, I've moved twice in the last two months. To be fair to everybody, I've given careful thought to the whole spectrum of things. Several things must go and one of them will have to be this column. I haven't been DXing nearly as much as I used to, for a variety of reasons, so this column should go to someone more active in the hobby, itself. My reason for slowing down? Many... FM and TV were worthwhile to DX when I had the entire season to spend DXing. On the one day this June we even HAD skip here (a real winner) I only DXed a bit of the time. Too much else to do; also tired of keeping logs; no longer in Burnt River. Many more. I'll elaborate at end and explain the transition. On to meagre rations:

PAUL MOUNT - 471 Emerson Ave. - Teaneck NJ 07666

JULY 1985

29 Tr
0838 WKCI 101.3 CT Hamden ment.morning fog
0839 WDRG 102.9 CT Hartford r
0840 WWSI 104.5 PA Philadelphia r morn.show
0845 WKMR 106.5 MD Baltimore r "K-106"
0847 WBSW 107.7 NJ Bridgeton local ad
0857 WBSH 95.3 NJ Southampton
0858 WLNG 92.1 NY Sag Harbor old r
0900 WFSI 107.9 MD Annapolis g nx
0904 WRON 103.9 NY "Riverhead-West Hampton Beach" rp legal ID

0905 WEEZ 99.9 CT Bridgeport b,solid-no Ocean City
0907 WSLT 106.3 NJ Ocean City lclad,no WHTG
0908 WORG 102.3 CT Stonington ad in Mystic, wx "patchy fog"
0909 WQHQ 104.7 MD Ocean City-Salisbury "2Q-105" & mention "Delmarva"
0911 WQCM 103.7 NJ Atlantic City rp "104MCM"
0913 WLGE 99.3 NJ Pleasantville r "Lucky99WLGE"
0915 UNID 97.3 ethnic language, MA New Bedford?
0916 WWOC 94.3 NJ Avalon b ad for Stone Harbor

I've had DX to report before & after this monster Tropo day, but it's written down elsewhere. The above noted while driving from Fairfield to Whippany NJ, then in parking lot in Whippany. Car receiver is a Blaupunkt Aspen SQR24 carstereo. Wx forecasts mentioned 100% humidity that morning. This was an interesting session as both the Jersey-Delmarva and CT shore, plus some inland stuff (Baltimore, DC) was heard. Unfortunately, none of this is countable in my Teaneck log. Having 6 presets in car radio sure helps. Was neat to not hear WFAS 103.9, WHTG 106.3, WWSU, & WBAB 102.3, WLK 94.3 in favor of something further. WORG was the real surprise as it's needed in Teaneck, 30 miles closer to CT. Wanted to try every channel before going to work. Also noted 99.5 classical, plus 2-100.3 & WBSB running 2nd on their channels; 93.3 not WMMR, 103.3 classical. Bob Smolarek had noted similar ex at midnight and Joe Fela at 0300, and Hillary Kane in Brooklyn all night. I then went to my 3rd floor office and listened to WKMR on an ordinary table radio till they faded out at 1030, to the amazement of my co-workers..

ERIC FADER - NEW ADDRESS - 3220 Netherland Ave. - Apt.3G - Riverdale NY 10463

FEB 7 1986 GW-Tr

1305 WFCB 89.7 NY Kingston directional away from me.

MARCH 1986 (17 GW-Tr)

0110 WFSI 103.1 NJ ??? unknown new xtr in northern NJ

APRIL 1986

1 Tr (cold front approaching)

1935 WYFI 99.7 VA Norfolk g

1959 WFOG 92.9 VA Suffolk

2001 WESR 103.3 VA Onley-Onancock QTH change, mentioned heavy coastal fog

2013 WMSM 100.5 VA Norfolk

2013 WRSR 96.1 MA Worcester o/WGCB-PA

2020 Philadelphia PA regulars very strong

2043 WNRN 94.9 VA Virginia Bch

2057 WNVZ 104.5 VA Norfolk

2203 WHTT 103.3 MA Boston sudden, o/WESR-VA

2206 WBOB 92.9 MA Boston solid

2213 WPNX 101.7 MA Lynn, other usual Bostons

2216 WOKQ 97.5 NH Dover

2335 CBHM 106.5 NS Middleton A SHOCKER as I was expecting Richmond VA. With "CBC Night-cap", solid 9dB signal till 0001 deep fade. Resurfaced weakly for mention of NS and s-off with O' Canada at 0111 (Apr 2). 1st NS on FM (I've had Halifax TV-3) 515 miles!

APRIL 2 Tr

0015 WHOM 94.9 NH MtWashington very strong at 27dB

0024 WSEB 92.1 ME Sanford r

0106 WHTT 89.1 NY Schenectady between WNYU

s-off and WFDU s-on

0110 WQNA 107.7 NY Albany; also WPTX 106.5

0118 WJJB 97.7 NY Hyde Park Most-wanted un-

heard w/ "98-Fame"

0123 WAFB 97.7 DE Milford still in despite

change in opening's direction.

0136 WGOY 93.7 MA Lawrence o/CT local

0202 WYNZ 100.9 ME Westbrook-Portland "Y-101"

0213 WICO 94.3 MD Salisbury

0750 NY(Long Island)CT,MA tropo, esp. Cape

stations (94.9...)

1215 WVOF 88.5 CT Fairfield 10 watts!

15 Tr

minor general Tr despite rain & low pressure.

Equipment: Onkyo T-9090 w/ rabbit ears.

(ERIC, I've saved your pirate stuff to run separately - saul)

Re the address change above...I'm getting married June 15 to Janet (CONGRATULATIONS!) to whom I've been explaining Tr, Es to the extent that her patience holds up. (Cont'd over)

ERIC FADER cont'd

1986 NORTHERN FM DX (2)

I've changed jobs, too, for a total lifestyle switch. I'm now a White Plains lawyer after a few years as a Manhattan lawyer, so I should have work hours more conducive to DXing (as well as to married life). (Ed note: I can see it now, your client in middle of cross-examination, evidence mounts, death sentence seems likely, Es opening hits suddenly, MUF soars ... you can imagine the rest. -ed).

A further note to CBHM Tr April 1-2...The day's wx maps clearly show not only the approaching NE-SW cold front that caused the whole opening, but a little lid representing a warm front just above Nova Scotia, pushing down towards NY and New England. A rare combination of events causing a classic opening.

Some corrections and comments to my last report "as printed" in the FEBRUARY 1986 VUD:

- (1) My SEPT 1985 30th Tr logging of WAEV GA 97.3 was DEFINITELY TROPIC. Steve West of PA had Savannah and other southern GA via Tr that night. Es at 0230 on Sept 30 would be more than just freak. Also I can tell the difference after 11 years of DXing FM. What's interesting about this was the Satellite wx map for that day and the day before - the frontal line along which WAEV's signal rode up to me is very clear, as is the pattern, a rare one, of frontal systems which enabled me to log WKIK 103.1 NY and WDNH 95.3 PA the next day. (Order in the court, order in the court, ... Eric, your evidence as above and your tape prove you most likely did have it by Tropo. Thanks for the tape, enjoyed \$9 as well. As soon as things are settled here I'll get you a sample of Canadian pirates. Funny, I've got a few I'm not sure are MS or Es and once I found out a MS was in fact Es about two years after the fact! Then there was the time I had KY on Tr and FL on Es. I've also had an opening where the only two states I had were FL and KY...both Es...can screw up a fragile mind!-saul).
- (2) Re Oct 26 Pirate... One of us - I suspect you, hi!) screwed up my loggings of WHOT and WFUN. (I've since discarded the original loggings so we'll never know. Whatever the case what follows is a correction, what's known in newspaper circles as "the truth" (no comment about legal circles, hi!)-saul): WHOT's DJ is Pete Sake. He does NOT have a terribly accented Brooklynese voice - that was a description of WFUN DJ Neil Down (get it?) (yes, my QSL from their AM station says Kneel Downe, I believe). WHOT was 91.5, WFUN was 91.9. Also, WHOT has never called itself the fun radio station - only WFUN has - so your comment that WHOT and WFUN are the same (next to my Nov 16 log of WFUN) is erroneous. WFUN and WHOT have different locations, different signals, different DJs and have been on at the same time.
- (3) Re your comment about NINE-FM not being on anymore, I think I sent in a report last month, right? It was on about 6 times last month. (If you heard it, I guess so. I remember them (Ed Armstrong) saying (I believe I heard it on another pirate - KPRC maybe) that he was "going on to bigger and better things" and leaving his station. I guess he changed his mind. I've also heard this elsewhere and I see you got them in March. Glad to have 'em back on the pirate scene.-saul)

ALSO...(AND TAKE NOTE, GRAND RAPIDS MI DXer who requested this info awhile back), the ONKYO T-9090 - a tuner not a receiver (hence the "T")...If the Grand Rapids DXer writes to Onkyo he can get a product booklet listing all Onkyo equipment with specs. WHAT IS MORE IMPORTANT TO NOTE IS THAT... ONLY THE ONKYO T-9090 TUNER IS RECOMMENDED. ALL OTHER ONKYO PRODUCTS ARE UNSUITABLE FOR DX'ING!! A look at the specs will bear this out. See Technical Topics in the FEB '86 VUD p.31, at the bottom of the page. Most Onkyo receivers (and tuners other than the T-9090) have alternate channel selectivity of 55 or 60 dB. The T9090 has ADJACENT channel selectivity of over 40 dB. The GRAND RAPIDS DXER is directed to the July '85 issue of STEREO-PIHLE Magazine - referred to in an FM News column in the VUD around last Sept) which has an article comparing the T-9090, the Carver TX-11, Mac MR-78 and MR-80, a Luxman rx and a few others. The Onkyo is rated only second to the Mac for relevant FM DXing specs - better than the Carver. The Tandberg (note spelling) is not in the ballpark. I've never used a TX-11, but cannot believe it's any better than the Onkyo's features, too. (dB indicator, 20 pre-sets, automatic computer-controlled bandwidth and other functions) make it a phenomenal machine. (Ed: The May VUD, I believe, also had an article about the Onkyo T-9090). (Thanks, Eric, for your generous answer to the DXer's questions. -Saul)

SCOTT HOOD - Dean Jr. College, Box 971 - Franklin MA 02038-1994

JAN 1986

6 Au(?)

1955 UNID 101.1 ? ? r "Q-101" see notes.

8 Au (with the 5-band)

1840 WAZU 102.9 OH Springfield r "FM-103",

calls sounded like "WAZE" or, Springfield wx 670

1900 WFUR102.9 MI Grand Rapids b "You're

listening to 102.9..." (Ed: You can only

guess)

12 GW-Tr

1250 WNEF 106.3 RI off-air, testing w/ re-

duced power at 2355.

13 GW-Tr

0710 WNCX 106.3 RI Woonsocket r "The new

Wink-106.3-FM". On with full power, but more prone to fades; different xmtr QTH?

NOTES: Logged my first-ever Auroral DX. In regards to "Q-101", I first thought Falmouth MA was on the air and that WQIR NH was just washing it out. But after the confirmed Au opening two days later, I've had second thoughts. Ancr was female, with "soft rock" well enunciated. Is it CHEQ? (Could be, they're "Q-101" almost exclusively to using call letters, but you can only guess. Try again!-Saul) Funny thing was that it was strong enough to receive on the boombox. (More comments next page over)

As for the Jan 8 Au opening, I was walking back from supper when I noticed a bow-tie shaped red-ish coloured cloud in the night sky. I thought it was the last reflection of the sunset. (As long as it wasn't mushroom shaped, in which case I'd advise all WTFDA members and anyone else to head for the nearest shelter even if the DX setup is elsewhere-saul). Then I remembered the weatherman talking a few days ago about a big solar flare and the possibility of Northern Lights (Aurora Borealis). I put 2 and 2 together, came up with 5 (I hope you're enrolled in an arts program), and literally ran to my room, turned on the TV, and, voila, several interwoven weak offsets (hash) on TV 2-6. Unfortunately, the over-sensitive and under-selective 5-band limited my options to 102.9, which itself was hampered by an elevated CT. As for WFUR-MI, my 1984 Yearbook shows only this as b (I had suspected WYFM-PA but list says top-40). (Ed: A 1984 Yearbook is seriously outdated in 1986; besides, guessing is risky; keep it tentative. WYFM is top-40. I wonder how wide the opening was.

Other than that, things have been quiet, although I think the worst of the doldrums may be over. In the past few weeks (this report received around Feb or Mar) I've logged NYC a few times, WUSL twice tentatively, and CT was elevated several times. As for Wink-106, it is a big improvement over the former "Stardust-106" mush. I've started my internship at "Magic 106.7-WJX" in Boston. I'm working under the production director (I wanted programming, but, eh, I'm also hung up on signal processing (compression, phasing/flanging (like WKCG-ME) and they have the most state of the art equipment of any production studio in town, so I figure I can hack around with that in my spare time. '73's, Scott.

P.S. Why don't you incorporate format abbrevs etc... into your column masthead, or is that too much of a pain in the —? (I'm working on a masthead that will do just that and also list the territory this column covers, etc... which I'll run a few times each year-saul)

MIKE BUGAJ - 69 Sherman Road - Enfield CT 06082 (Carver TX-11, Finco FM-5 w/rotor)

NOV 29 1985 Au

1900 heavy Au, no IDs, last time I have used my ST-5130

DEC 1985

1 Tr

1320 CBF 104.3 PQ Trois Rivières FF

1650 WABK 104.3 ME Gardiner r

1820 WBGW 97.1 ME Bangor k

3 GW

2155 WZ18.91.5 CT Hamden xltr of WJMJ 88.9, at 50 mi, always heard unless covered up by WNYE NYC.

10 GW

2115 WTRB 89.7 MA Pittsfield r here from 89.5

13 MS

2118 WPMN 99.7 GA Atlanta "warm 99" new mode

2119 WIMI 99.7 MI Ironwood "99-7, WIMI..."

JAN 1986

7 GW Pirate see PIRATE report at end of this column or in a future one, depending on space.

22 GW

1725 WBPV 90.1 MA Charlton This one seems to

rebroadcast WCUW 91.3, IDs and all. mono.

FEB 1986

7 Au strong at 1700, no IDs.

19 Tr

2250 WKXI 102.3 NH Concord r

2255 WVEQ 89.1 NH Concord

25 Tr (WJLO off for few days)

1718 CFIC 104.5 ON Cornwall

COMMENTS:

My totals right now stand at 1256 logged. My Carver faced its first major Tropo opening of 1986 on April 1 and did a great job of pulling out some good DX. If I'd been using my old Sony 5130, I would have missed all of my new loggings due to poor selectivity (and the Sony's alt. channel selectivity was 100dB). A few months ago, somebody was asking about a good FM DX receiver. The TX-11 is a good one. I've seen it selling for \$490 in a local discount chain store. Also the Onkyo T-9090 is going for \$499 (\$500-saul) in the same store. Now, supposedly, the Onkyo tuner is another hot DX receiver but so far I haven't seen anyone hook it up to an outdoor fringe antenna and report the results. Anyway, the TX-11 has opened up many more DX channels which were previously totally unusable. I'm happy with it. Note: in the Apr 1 opening, most signal strengths were better than 60dB).

(four very short reports remain, if more received in a few days, I'll use this month.)

MARCH 1986

22 GW

0300 WVOF 88.5 CT Fairfield Italian (?) rx Easter program

29 Tr

0840 WKQP 105.3 NY Hornell "Power 105"

31 Tr

2223 WQCB 106.5 ME Brewer "Q-106.5" k new to air?

APRIL 1 1986 SUPER COASTAL TROPO

1800 WVRN 94.9 VA Virginia Beach b

1800 WWOX 105.7 NC Columbia

1803 WKRI 105.3 VA Norfolk g

1803 WOLC 102.5 MD Princess Anne g

1823 WKRE 94.1 VA Yorktown country hits

1827 WOPM 92.1 VA Moyock "Magic 92"

1830 WFOG 92.9 VA Suffolk "FM-93"

1840 WNVZ 104.5 VA Norfolk r "Z-104"

1840 WKXW 101.5 NJ Trenton "Kix 101.5"

1850 WBBB 100.1 NC Edenton k (nice catch-saul)

1901 WKHI 99.9 MD Ocean City r

1925 WAFB 97.7 DE Milford soft rock

1945 WKYZ 105.5 MD Salisbury b "FM-106"

2003 WQMD 92.7 DE Rehoboth Beach

2018 WNTT 100.9 VA Warsaw k s-off at 2200

2100 WMPM 89.1 NJ Trenton ID, s-off?

2128 WRFK 106.5 VA Richmond concert

2135 WQDE 101.3 VA Hampton "WDE" thru null

of "KC-101"

2150 WSEA 93.5 DE Goergetown r

2235 WASH 97.1; WQMS 103.5 concert (both DC)

2240 WBSB 104.3 MD Baltimore r "B-104"

2245 WELV 99.3 NY Ellenville

2308 WOVU 101.7 VA Killmarnock

2326 WRQX 107.3 DC Washington "Q-107"

SCOTT HOOD sends another report

FEB 1986

19 Tr (storm related)

2240 WALK 97.5 NY Patchogue \$ strong

2240 CT in \$ strong (WKCI not \$-why?)

20 Tr

2010 WIHS 104.9 CT Middletown

2210 WSPK 104.7 NY Poughkeepsie

2225 WLKZ 104.9 NH Wolfeboro

MARCH 1986

29 Tr

0040-on CT, WALK 97.5 in \$ strong, WLYT

92.5 & WCGY 93.7 demolished)

2345 CT elevated (WLYT, WCGY again demo'd)

2355 WMYV 92.7 MA Tibbury

2355 WLNG 92.1 NY Sag Harbor

30 Tr

0045 Cape Cod MA elevated (WJXY 96.3 \$)

APRIL 1986

1 Tr (Oct 24 cont'd, no FOOLing)

0905 WKHI 99.9 MD Ocean City

1825 WQMS 100.5 VA Norfolk \$strong

1825 WUSL 98.9 PA Philadelphia

1825 WNCR 98.7 VA Norfolk \$strong

1830 WKDN 106.9 NJ Camden

1830 WTDI 106.9 VA Suffolk

1840 WXRI 105.3 VA Portsmouth

1840 MA Cape Cod in \$strong

1845 WQWI 102.9 VA Norfolk

1905 WBAZ 101.7 NY Southold oldies, adult contemp., "Light-FM" (NYC \$strong)

1910 WQDE 101.3 VA Hampton r "2-W-D"

1910 WYFT 99.7 VA Norfolk g (Philly \$)

1940 WYRK 92.3 NY N.Y.C. pr

1940 WLNG 92.1 NY Sag Harbor

1940 WLJR 92.7 NY Garden City

1945 WXTN 92.5 PA Philadelphia k

1945 WFOG 92.9 VA Suffolk b

2010 WDSB 94.7 DE Dover k

2010 WATV 95.1 NJ Atlantic City

2025 WZZO 95.1 PA Bethlehem

2120 WJBR 99.5 DE Wilmington r "Bright-

99-5" Strong at 2245

2130 WNEB 100.7 NJ Wildwood r (&WALK 97.5)

2135 WSNJ 107.7 NJ Bridgeton k \$strong

2155 WBEY 103.1 MD Grasonville k

2200 WSPK 104.7 NY Poughkeepsie

2245 WPST 97.5 NJ Trenton (\$strong)

2250 WKHI 99.9 MD Ocean City

2300 WQMG 103.7 NJ Atlantic City

2300 WEEB 107.9 CT Westport r "Weebee-108" 159

2300 WQRE 107.5 VA Exmore k "K-108"

2 Tr Fog reported all down coast; none here

0005 WEYO 107.5 PA Boyertown g

0135 WATZ 99.1 NJ Zarephath

0145 WSTW 93.7 DE Wilmington r

0220 WQWQ 104.7 MD Ocean City "Q-105" now 330

0220 Portland ME \$strong; 0245 Augusta ME same

0255 WQGX 98.3 NJ New Brunswick r

0325 WHUD 100.7 NY Peekskill

0330 WJXY 107.1 NJ Long Branch r "Y-107"

0335 WJRT 100.1 NJ Manahawkin

0350 NYC, Philly, CT still in \$strong. To bed!

0825 airwaves back to normal, CT elevated...

3 Tr

2340 WLNG 92.1 NY Sag Harbor

2350 WALK 97.5, WCIB 101.9, CT - \$strong

AUG 1986 NORTHERN FM DX (4)

APRIL 4 Tr

0020 98.9 WUSL PA Philadelphia 250

0820 CT NYC \$strong

0825 WLNG 92.1 NY Sag Harbor 130

16 Tr

2015 MA Cape Cod in \$strong

20 Tr (pre-storm or seabreeze induced)

1915 Portland ME, WKCG 101.3 in

1935 WOKQ 97.5 in \$strong

1950 Cape Cod MA in or near \$strength

21 Tr

0205 WWHB 107.1 NY Hampton Bays 105

0235 WBAZ 101.7 NY Southold 88

28 Tr (WCRB 102.5 off-air) EDT time starts

0040 WBEQ 102.7 VT Manchester 113

0115 WUUU 102.5 NY Rome "Light hits" r 220

0135 WAWZ 99.1 NJ Zarephath 195

2130 WLNG 92.1 NY Sag Harbor 130

29 Tr (fog bank off New England coast & eastern

Long Island)

0205 WWHB 107.1 NY Hampton Bays 105

0025 NY Albany (in for 1st time in ages)

0045 WRCN 103.9 NY Riverhead

0045 WKNE 103.7 NH Keene nr \$strong (WERIoff)

0055 WBAZ 101.7 NY Southold 88

0115 WUSL 98.9 PA Philadelphia 250

MAY 1986

1 Tr (fog-related, none here at all)

0855 CT Cape Cod MA in, near \$strong

0855 WLNG 92.1 NY Sag Harbor 130

0915 WUSTL 98.9 PA Philadelphia 250

10 Es FINALLY!

1035 WQXM 102.7 FL Milton k Pensacola QTH1225

1040 WPMO 99.1 MS Pascagoula 1300

1040 WQIK 99.1 FL Jacksonville 1050/1100

1045 WBAW 98.9 AL Montgomery r "99FM" CLTime

1045 WKYT 98.1 AL Andalusia 1175

1100 WQRC 99.9 AL Mobile 1275

1100 WQED 93.7 MS Biloxi 1325

1105 WKSJ 94.9 AL Mobile 1275

1115 WLTB 99.5 AL Birmingham 1075

1115 WRNO 99.5 LA New Orleans 1400

1115 KTDY 99.9 LA Lafayette r 1475

1120 WNOE 101.1 LA New Orleans k "Hit country"

1120 WABE 97.5 AL Mobile 1275/1400

1135 WMSI 102.9 MS Jackson k "Miss-103" 1300

1140 KRRV 100.3 LA Alexandria 1450

1145 WBAQ 97.9 MS Greenville b 1275

1155 KNOE 101.9 LA Monroe r "FM-102" 1375

1205 #244#11, have to leave

1405 MUF TV-4

11 Tr

0020 CT, WQKQ 97.5, WGAN 102.9, in \$strong

14 Tr (storm related)

2250 WALK 97.5 NY Patchogue \$strong

2300 WLNG 92.1 NY Sag Harbor 130

15 Tr

0105 tent WUSL Philly; 0115 WBAZ NY South'd 88

16 Tr

0105 Cape Cod MA in \$strong

0110 WAWZ 99.1 NJ Zarephath 195

0885 WLNG 92.1 NY Sag Harbor 130

17 Es

2005 WKSJ 94.9 AL Mobile 1325

18 Tr

0335 WKSZt 100.3 PA Media 255

(see next page)

Aug 1986 NORTHERN FM DX (5)

MAY 19 1986 Tr
0135 WUSTL. & WAWZ)

0245 WUSL 98.9 PA Philly 250
0845 WUSL 98.9 PA Philly 250
1305 BYE Franklin!

FINAL STATS:
Tr 212 plus 3 tentatives for 215
Es 52 plus 14 t's for 66
MS 0
Au 1 plus 1 t for 2
TOTAL : 265 plus 18 t's for 283

COMMENTS:

Things are finally picking up. The big Tr opening on April Fool's Day was quite a pleasant surprise. VA was in until after 2200. Unfortunately it was only a one night stand. Shows just how potent sea fog can get. Other than that one night, Philly hasn't really made any widespread invasions. The Es season has roared in rather nicely. This is the last report from FRANKLIN...I'm packing up & leaving. Now I'll have to live off the pitiful Tr in BEVERLY. At least the Es are just as good there. MY NEW ADDRESS IS: 7 Auburn Rd., Beverly MA 01915-2501.

BILL NOLIMAN - BOX 184 RFD #1 - BOZRAH CT 06334

MAY 1986

10 Es				
1247	KABF	88.3	AR Little Rock	1180
1253	MAAC	92.9	GA Valdosta "Country 93"	975
1258	KITS	94.7	MO Springfield	1170
1322	KRLX	94.5	MO Kirksville "XL-94"	1075
1325	KSHE	97.7	MO Crestwood "K-She"	975
1339	KGRG	92.9	MO Hannibal "92-FM"	1025
17 Es				
1938	WKEZ	94.1	FL Pensacola	1150
1939	WXEM	102.7	FL Pensacola	1150
1948	WTYX	94.7	MS Jackson "94-Tix"	1200
2011	WJMI	99.7	MS Jackson	1200
2028	WCPC	93.3	MS Houston	1040

21 Es
1120 WKQD 93.3 TN Tullahoma 890
25 Es
1045 WTNF 94.9 FL Tampa
1048 WINK 96.9 FL Ft Myers
1051 WKGR 98.7 FL Ft Pierce
1056 WCVU 94.5 FL Naples "Seaview"
1059 WFTM 94.1 FL Lakeland
1118 WMLT 95.7 FL Clearwater "W-Light"
1119 WHOO 96.5 FL Orlando
1128 WWSB 107.3 FL St Petersburg
1153 WRBQ 104.7 FL Tampa "Q-105"
1155 WBOB, WTNF, WFTM, WPDS at full signal strength in perfect Stereo

COMMENTS: It's been awhile but finally school is over and I have my degree in electronics and the Rs rolling in like never before (and never again by the likes of things here)(-saul). A temporary job at WFSB TV-3 has given me the mornings and early afternoons off - coincidentally a great time to look for an opening. After a 13-page term paper on ionospheric propagation, I finally have a great understanding of our super hobby. (So when and where will the next opening be-s)(That editorial comment shows I have a lousy understanding about the hobby-s).

First I attack the 30-50 MHz band (visions of Ronbo-s) while keeping my eye on TV-2. When TV-4 acts up the FM gets warmed up. As you can see, it's working pretty good. I hope the Es can help this way for a while and I have more to report soon. The receiver is the same Realistic STA740 but the October hurricane took my super CM crossfire antenna. Now, with the CM 1110, things aren't quite what they used to be, especially the locals. What can you do? The 25th the best Es opening I've ever seen.

BOB ZENT - 1835 Fruit St. - Huntingdon IN 46750

OCT 1985
3 Tr
0959 WRVU 91.1 TN Nashville

2000 WFUM 91.1 MI Flint new-to-air, satellite
 of WUOM 91.7 MI

May 25 Es cont'd

1155	<u>WPDS</u>	93.3	FL	Tampa
1213	<u>WFSU</u>	91.5	FL	Tallahassee
1218	<u>WJST</u>	94.5	FL	Pt St Joe "T-94"
1229	<u>WLCS</u>	96.1	FL	Jacksonville "Class 96.1"
1241	<u>WNNX</u>	95.9	FL	Tallahassee
1248	<u>WQPD</u>	94.3	FL	Lake City
1256	<u>WJMI</u>	96.3	MS	Jackson
1309	<u>WOUS?</u>	99.5	AL	Birmingham "Birm.Light FM"
1319	<u>WTUG</u>	92.7	AL	Tuscaloosa
1323	<u>WFFX</u>	95.7	AL	Tuscaloosa "Fox 96"
1324	<u>WOMD</u>	99.5	?	?????????
1326	<u>WTRY</u>	94.7	MS	Jackson
1331	????	96.3	MS	Jackson "New 96.3 FM"
(You had 'em earlier at 1256 & a relog)				
1335	????	92.7	"B-93"	k ?????
1343	<u>WBAD</u>	94.3	MS	Leland
1347	<u>WQKZ</u>	96.7	TN	Bolivar "KZ-97"
1352	<u>WZKS</u>	96.3	TN	Murfreesboro
1410	<u>KIRS</u>	92.7	MO	Mountain Grove
1416	<u>KTTT</u>	94.7	MO	Springfield
25 Tr				
1412	<u>WFGP</u>	96.9	NJ	Atlantic City
1420	<u>WFME</u>	94.7	NJ	Newark
1428	<u>WMMR</u>	93.3	PA	Philadelphia

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r again by the likes of things here)(-saul).
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Ronbo-s) while keeping my eye on TV-2. When
n see, it's working pretty good. I hope the Es
to report soon. The receiver is the same
ok my super GM crossfire antenna. Now, with
ed to be, especially the locals. What can
ver seen.

50

Nov 22 GW-Tr
1859 WQTZ 92.7 IN Decatur new xmtr site & in-
creased coverage. 29
Dec 14 MS
2221 WNOE 101.1 LA New Orleans "information
from all over LA on hit country 101" 790
(Cont'd next page...)

BOB ZENT cont'd

Aug 1986 NORTHERN FM DX (6)

JAN 1986

15 Tr			
1305 WPXN	104.9	IL	Paxton
16 GW-Tr			
0046 WXXS	93.5	IN	Lafayette
0101 WZWZ	92.7	IN	Kokomo
0114 WWWW	93.5	IN	Hartsville
0600 WOKZ	104.9	IN	Muncie

ALAIN PEPIN - 234 Rue Montcalm - St Jean Sur Richelieu - QUEBEC J3B 3N8

MAY 1986 - 10 Es

1225	WTYX	94.7	MS	Jackson	"J's hot FM94 Tix"
1227	WGNZ	95.1	MS	Natchez	"95 country WGNZ"
1230	WIVY	95.5	AL	Dothan	ID TC
1232	WYTN	96.3	MS	Jackson area	ad "96.3 FM"
1242	WGGC	90.7	FL	Panama City	stn info
1250	WVAS	90.7	AL	Montgomery	25000 watts,
	Westwood			I net prem.	Countdown. ID

(I left out your kilometric distances because I thought it might confuse the page. Anarc will be a last minute decision - literally! TV sent to the TV editor. -Saul)

HARRY J. HAYES - 9 Henry St. - Wilkes Barre PA 18702

MAY 1986

9 Es
2107 unID 94.7 NF r (R.Oz?)
10 Es
1016 WEZE 97.1 LA New Orleans
1024 WLTS 105.3 (LA Slidell suspect)
1027 WAKH 105.7 MS McComb
MUF to 107.9 several deep
1040 KRRV 100.3 LA Alexandria
1042 WIRK 107.9 FL W.Palm Bch (No calls)
1043 WPMF 107.9 FL Panama City(heard)
1049 KBJU 103.7 LA Lake Charles
1054 WPCV 97.5 FL Winter Haven
1056 WQJZ 95.1 MS Natchez
1101 WJST 94.5 FL Port St. Joe
1104 KITT 93.7 WHO IS THIS????
1105 WPAP 92.5 FL Panama City
1109 KWKH 194.3 LA Shreveport
1111 KYKZ 96.1 LA Lake Charles

COMMENTS: Equipments consists of a Sony ICF 2001, Radio Shack rabbit ears and amp. w/ Radio Shack tuneable attenuator for overload.
Looks like a banner season shaping up (hahahahahahaahahahaahahahaahahahaahahahaahahaha hahahahahahaahahahaahaaaaaaagggghhhhhhrrrrrr!-Saul). An FM opening of the magnitude of May 10 has never been experienced here this early in the season; in fact such an opening has not been seen here in years. Visions of the mid-'70s have come to pass; let's hope it lasts. The weekend of May 17-18 is showing signs of intense Es on lower TV channels. It is midday, Sunday as I write this. I wouldn't be surprised if another FM opening happens before the weekend is out. Tune in next time for the answer. (How about Es before the summer is out?-S)

ROGER WINSOR - 302 W. John - Champaign IL 61820

Hello all from east-central IL. Not much happening on the FM band. In case you hear jazz on 90.9 Saturday PM, it could be WILL. Otherwise classical 91 and NPR stuff. They play the same tapes over & over. Locally, if you ever get WEPT 90.1 you have a DX plum. They are 250 watts presently w/ problems of intermod w/a private firm. Present tower is 140', on a building atop the Nt'l Academy of Arts. WRXR 95.5 IL Chicago w/ r noticed May 10 in morning. Usual Chicago-Indianapolis-StLouis stuff. WSTW 87.7 has done something as they are regular w/WPCD off. While thru Kankakee, nothing yet on 92.7. Overload is a big problem at this QTH. Only WGGL is not close - within 2 miles. All the rest are 1/2 - 1 mile away. WLRW 94.5 has new owner but same format g with s on weekend. No 100% soul in Champaign. WRBZ & WRTL Rantoul ID as Rantoul C-U., but FM is not strong & is bothered by WPZQ 95.1, a station that seems to go nowhere. WKIO 103.9 is all over the dial from 92.5 up. Only Es seen here, briefly on TV-2 one day last week (this report dated May 18-S), but weak. Es just isn't like it used to be in the '50s. I started in 1954 & remember seeing... (TURN...)

ROGER WINSOR cont'd

KMID-2 for days straight with their TP in June. (Roger, nothing is like it was back in the good old days. Movies. TV. Baseball. Ice Cream. The family. The environment. It figures I was born in 1961.-S). Both WPCD 88.7 & WEIU 88.9 are off until Summer session begins in June. WVJS 89.1 still on w/ r - gives calls most of the time, ex- "The college station". Nothing on 91.3 either from Terre Haute IN. I get lots of Tr there so I should hear it. Good DX to all. -Roger.

ANOTHER REPORT FROM ROGER:

JUNE 11 1986 Es INTENSE

To ND, SD, MT, WY - all new states. All WY stns heard from 5-7:30 pm fade-out. The following IDs:
 KYYZ 96.1 ND Williston
 KBHA 91.3 ND Four Bears
 KMPR 89.9 ND Minot
 KIZZ 93.7 ND Minot "Z-94"
 KCND 90.3 ND Bismarck
 KYYY 92.9 ND Bismarck "Y-93"

KEYZ 96.5 ND Bismarck
 KEZV 101.1 SD Spearfish b
 KRCS 93.1 SD Sturgis
 KBHE 89.3 SD Rapid City
 KKLS 93.9 SD Rapid City r
 KVSF 97.9 SD Rapid City g

COMMENTS: MUF seemed to be 101.1 briefly. 24 new stations in 2 hours. Rx is GE Superadio II w/dipole & nothing more. Much cross-modulation in this town at my downtown location prevented 97.1 logging of KHMT & KZLS & 96.9 KOLL. TV-2 was a dog-fight between KTWQ & KTVQ & TV-5 KIVV-SD was in for 2-plus hours. About time for Es; First good opening I caught so far. I hope to be at Jamestown this year. (See you and all others there. Be there or be square-S) 73s Roger.

FRED R. VOBBE - 706 MacKenzie Ave. - Lima OHIO 45805-1835

Hope your weather is better than ours. We just experienced our first spell of bad wx here. A tornado touched down in the next county to the west. I could see it on the TV's wx radar. Not too cool! We are now up to full power at WLIO-TV (for several months) with 661,000 watts ERP. Judging from semi-distant reception reports - 60 miles away - we are doing a lot better. In Sidney, OH, we upped our signal strength by 28dB. The new antenna is an RCA TPU-30JA with 1/2 beam tilt. Frank Merrill saw us over in Macomb IL so we must be doing OK. We'll begin Stereo prgms May 1 with NBC. Best to all and hope to be doing some FM-TV DX if conditions are right and I get the new antenna up. 73, Fred.

BRUCE F. ELVING - 241 Anderson Rd. - Esko MN 55733-9A13 Times CDT

SEPT 1985

18 Tr
 0703 KQRN 107.3 SD Mitchell
 19 Tr
 0700 KWKJ 107.5 ND Grand Forks (took tricky rotating to avoid KLIZ MN Brainerd 107.5)
 20 Tr
 0708 KMSR 94.3 MN Sauk Centre
 0814 KDOM 94.3 MN Windom
 26 Tr /XMTR
 0800 WIRR 90.9 MN Hibbing-Virginia (Buhl)
 OCT 1986
 21 Tr
 2158 WJJQ 92.7 WI Tomahawk
 DEC 1985
 7 Tr
 1200 WDMK 93.1 MI Iron Mtn (1cl 92.9 WSCD on low power)

COMMENTS: Little time to DX, what with putting out the FM ATLAS and trying to nail down formats and slogans, but the DX seems to be there when I try for it. Can't complain about reception. 73illy, Bruce.

DAVE NIEMAN - Akron NY 14001-9529 ESTimes/ Carver TX-11 with Stereo Probe 9 at 25' (815)ASL)

FEB 1986

6 GW-Tr
 0847 WJQZ 93.5 NY Wellsville r \$ 70
 8 Au
 1331 WWHI 90.1 IL Chicago g 450
 1842 WQDR 94.7 NC Raleigh r 510
 1901 CBF-? 91.9 PQ ??? FF ???

FEB 12 Tr

0959 ??? 104.9 PQ ??? FF mr \$??? COMMENTS:
 15 MS My two new Pders
 1315 WKS 104.9 KY Vanceburg r 390 will have to wait
 for city & mileage.
 I can only guess by the antenna heading as to location.
 91.9, first heard by AU, has been heard regularly
 since its discovery. 104.9 seems to mention (OVER...)

Aug '86 NORTHERN FM DX (7)

KSQY 95.1 SD Deadwood "K-Sky" r
 KGOH 93.1 MT Sidney "CH-93"
 KSDY 95.1 MT Sidney k
 KOCM 95.7 MT Scooby k
 KMCM 92.5 MT Miles City MT nx
 KIYA 93.1 MT Billings r "Y-93"
 KLZY 92.5 WY Powell r (in for 1 hr!)
 KTAG 97.9 WY Cody great level
 KENB 96.1 WY Worland b great level
 KRQE 94.9 WY Sheridan great level
 KLWD 96.5 WY Sheridan best catch
 KLGT 92.7 WY Buffalo 25'tower o/WMLA

DAVE NIEMAN cont'd

Aug '86 NORTHERN FM DX (8)

...Montreal a lot and the antenna heading is about right but it is too close to 104.5 in same. Neither station can be too far as they are heard daily fading in and out. Just have to wait and see them in FM news column.

At this point, with no reports and a page to fill, I'll take care of business:

* As much as I regret, I'm resigning as editor. I haven't even had the time (and lately it seems desire) for DX. I'm not leaving the hobby by any means but I'm pushing it down the old list of priorities. The life of a journalist is much different than that of a student. I'm also involved with several peace groups, and with recent events surrounding Nicaragua, Chernobyl, etc., there is lots to do. Also, I'm not too keen on starting a new log or even in keeping one. Besides, with one opening here this June (Es)... this column should go to someone more active in the hobby. I look forward to contributing to this column, however, and although I'm not tuning in as much as I used to, I hope to get in some DXing. I'm especially looking forward to the Tropo season. I'm now living on a hill in the highest part of the county. I've told Bill Thompson & Dave Nieman so if anyone is interested they should likely get in touch with them unless an announcement is made elsewhere. I'm going to set the OCTOBER VUD column as the cut-off date. I'll do that one, but by November I hope someone will step in. I'll be happy to offer that person any advice and answer questions. My address as it appears on the masthead is CORRECT despite my many moves. My phone numbers are as follows: (519) area code in all cases: WORK:442-4456/7; HOME 448-3102. Try either at any time. I do not work regular hours and could be at work Sunday at 0400! If all these are tried and you really need to reach me, my parents are at (416)489-8623. I plan to be at Jamestown this year and hope to see you all there. Also may be at ANARC in Montreal in July...not sure yet. I would just like to thank everybody for helping make NORTHERN what I feel was a good DX column. I found the amount of contributions and support and interest almost overwhelming at times!

* In other matters, the Es made only one appearance all of June on FM, at least according to my own experience and that of some others. This July reminds me much of July, 1980, with only one notable FM opening - the 17th - and what an opening it was! And May 1986 was like May 1980 ... several good openings. Is the Es season advancing? Soon we'll be getting June DX in January. (Just kidding).

* JOHN SULLIVAN ... I mailed two more CFNY tapes and a TV GUIDE to you.

* PAUL MOUNT says he is looking to trade tapes of FM (and AM) PIRATES. He is at 471 Emerson Ave., Teaneck NJ 07666-2727.

(More DX reports if more come)

NORTHERN FEATURES - PIRATE REPORTS

***** "Report your pirate loggings or walk the plank."
 ***** -Cap'n Hook, 1986.

ERIC FADER - 3220 Netherlands Ave, Apt. 30 - Riverdale NY 10463

FEB 1986

2
 0020 WNCN 103.1 NY NYC area with heavy metal mx, usual distorted signal (slightly).

MAR 1986

17
 0110 NINE 91.9 NY Queens-Nassau area Political material (Anti-Reagan of course)

2206

WNY, WDR 103.1 (Great Neck NY?) (new for me) One of the biggest idiots I've ever heard. Came on calling himself WNY then realized he shouldn't give his location and claimed to be in Stamford CT. Then realized WNY's NY gave him away so became WCT. Then, 20 mins later decided to be "WDR-Digital Radio on the QM radio network". Used the usual Long Island loop-line telephone number (516)549-9906 as well as (203)348-8000. But 'Monawer' either. Was on past 0000 on 20th w/ a local mono signal, mellow "urban" mx and banal talk.

21

0021-0026 s-off NINE 91.9 NY Queens-Nassau, said would be on Sat, Mar 22.

0026 WLEU 91.9 NY Laurelton Bad disco mx until 0050 s-off. OC remained till 0110 with weird noises and tones afterwards. Near Kennedy airport in southern Queens.

0120 WNCN 103.1 NYC heavy metal under tentative WPST-NJ station.

24

0214 NINE 91.9 Queens-Nassau, said had been on March 14, 15, 16, 18, 20, 21, 22, 23 nights.

MIKE BUGAL - 69 Sherman Rd. - Enfield CT 06082

JAN 7 1986 : 2130 WPRF 97.05 and 87.65; this is a pirate operating in the Manchester area. \$ Not on much but Sat. and Tues. evenings is a good time to try for them. The 97MHz was rock.



EASTERN TV-DX

Tax deductible when recommended by a doctor.

JOHN F. COMBS, BOSS MAN

2969 HERSCHEL, CAGE #7, JACKSONVILLE FL 32205

(904) 389-2451

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—Publishers Weekly

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deadlines since our inception.

No moving parts—zero maintenance

AGOSTO DE 1986

Baked to Order for You and Friends

Void where prohibited by law

Summer E-skip has given everybody plenty of hours in front of their screens so far. There have been a couple of long stretches of skip-less days, but when Es has been in, it's been very, VERY good. The most outstanding opening took place June 10/11, and it will be remembered for a long time. Bob Seybold calls it the "best opening in years", Larry Van Horn noted that skip was in almost constantly for 36 hours. High band Es was noted, the 2-meter ham band was wide open, and I have heard a report that even the 220 MHz ham band was open for a time! Matt Sittel in TN logged almost 50 TVs and over 100 FMs on the 11th alone. Here's hoping that the ionosphere continues its restless shennanigans!!

Thomas J. Yingling, Jr., 221 Pinewood Road, Baltimore MD 21222-2345 (EDT)

MAY 1986	MAY 1986	JUNE 1986	JUNE 1986
10 E 1150 KFDN-6 TX 1150	17 E 1930 WREG-3 TN 792	10 E 2030 WCIX-6 FL 971	
1159 KEMV-6 AR 904	2115 KTBS-3 LA 1150	2300 WAVE-3 (IN) 515	
1300 KOTV-6 OK 1080	18 E 1730 Cuba-3 1100	"Surprise logging!"	
16 E 1650 KATC-3 LA 1060	1836 KATC-3 LA 1106	2310 KTBS-3 LA 1110	
1650 WWL-4 LA 1007	1836 KYTV-3 MD 912	2330 WREG-3 TN 792	
1754 KINT-3 IA 807	JUNE 1986	11 E 1530 KRIS-6 TX 1452	
1800 KOET-3 AR 1080	3 T 2230 WFCB-38 VA 250	1530 KIII-3 TX 1456	
17 E 1621 KTVG-6 KS 1301	10 E 1820 Cuba-6 1200	15 E 1830 KFDX-3 TX 1283	
1621 KSDK-5 MD 978	"Yogi Bear in SS!"	1830 KTVY-4 OK 1186	
(1st time new calls)	(iMas listo que el	1830 KOET-3 OK 1080	
1621 KMOS-6 MD 910	oso común!—jfc)	1830 KOCO-5 OK 1186	

EQUIPMENT: Sony KV-1214 12" color TV Finco 5' UHF dish at 50'
Teknika 6510 TV tuner Winegard BC-234 indoor VHF preamp
Toyomenka TMK-717 2" micro-TV Winegard AC-4990 UHF preamp on CM
Casio TV-1000 2.6" color LCD-TV Winegard PA-4975 UHF preamp on Finco
CM Quantum-1114 VHF at 45' CM high "Q" traps & sound reducers
CM 3' Corner Reflector at 45' Magnavox VR8400BK01 VHS VCR

"On 5-10 the MUF went up past 145 mHz as my ham friend was working SSB 2-meters into TX and OK. I got into Mexico on 94/1 mHz with XET-FM—my first ever double-hop FM skip logging. I hope the rest of the summer skip is the same! Lots of Es logs in June, but having trouble at times with CATV leakage messing up picture, and it even bothers the FM band on some freqs. 73's, TOM."

Dave Nieman, Akron NY 14001-9529 (EDT)

JUNE 1986	JUNE 1986	JUNE 1986	JUNE 1986
9 T 2300 Ft. Wayne Us 300	14 T Also seen: VT 22,33;	15 E 1230 KSNW-3 KS 1063	
10 T 0600 WKOI-43 IN 399	WCFC-57; Albany Us;	1400 KOTA-3 SD 1249	
E 2157 WCPX-6 FL 1008	WDCD-19; VT 41; NYC	1824 WBTB-3 NC 551	
2200 WUFT-5 FL 992	41,68; WVIA-44 xltrs	1900 WRGB-3 TN 661	
2313 WEAR-3 (AL) 992	63,66,72 PA; WSKG-46	20 T 2300 WPNE-38 WI 493	
11 E 2043 KCEN-6 TX 1323	xltrs 60,66,71 NY;	21 T 0031 WMTV-15 WI 551	
14 T 0801 WSTG-64 (MA) 370	W32AD Clark Summit	22 T 0115 Lexington Us 467	
(Sorry, Dave—xmtr	PA (WNEP-16 xltr)	0752 WYMT-57 KY 468	
not in RI—jfc)		0901 WETO-39 TN 514	
0900 WUNE-31 VT 320		1000 WFCB-38 VA 404	

Turn on Your TV

Marty Barvinchak, 113 Morewood Road, Glenshaw PA 15116 (EDT)

All loggings 5-26 0630 EDT:

WXON-20 MI 210	WUPW-36 OH 205	WSFJ-51 OH 140	WIHT-31 MI 230	W41AA WV 54
WKBD-50 MI 210	WGTE-30 OH 205	WTTT-28 OH 165	WPTD-16 OH 236	(Wheeling
WTVS-56 MI 210	WBXX-55 OH 100	WOSU-34 OH 165	WTJC-26 OH 190	WNPB-24)

"Here's my whopping report! Sorry...either not much happening or no time to notice it or both. Vacationed on Outer Banks of NC 3/22-29 and was treated to some 'Southern Hospitality' DX. Haven't had time to put that report together."

EASTERN TV-DX

AUGUST 1986

Matt Sittel (East TN's E-skip King), 220 Brookfield Dr., Kingsport TN 37663 (EDT)

MAY 1986	MAY 1986	JUNE 1986	JUNE 1986
9 E 1916 unID-2 SS	24 E 2132 KACB-3 TX 1170	10 E 2306 KACB-3 TX 1170	
10 E 0856 KIII-3 TX 1055	2136 KTVY-4 OK 837	2307 KXAS-5 TX 887	
0858 KMOL-4 TX 1053	2200 KOB-4 NM 1361	2331 KXTT-5 TX 1116	
0908 KPRC-2 TX 878	2200 KNMZ-2 NM 1310	2341 KIDY-6 TX 1170	
0911 KFDX-3 TX 936	(See note #7)	11 E 0001 XEZ-3 QR 1500	
0914 KGBT-4 TX 1166	25 E 1036 KENW-3 NM 1036	0200 KMID-2 still in	
0927 KOET-3 OK 742	1036 KIII-3 ? TX T	"latest E-skip seen"	
1000 KMID-2 TX 1174	1125 KOET-3 OK 742	0943 unID-2,3 SS	
"Black screen on	1125 KLNE-3 NE 958	0956 Cuba-4 TR 1100	
WSJK-2—readable ID	1131 KSNB-4 NE 878	0957 WPBT-2 FL 747	
"...what luck!"	1131 KWNB-6 NE 1040	0957 WEDU-3 FL 590	
1018 KDFW-4 TX 864	1348 WSTM-3 NY 567	1002 KDFW-4 TX 864	
11 E 0856 KLNE-3 NE 958	1403 CBFT-2 PQ 783	1004 KNOP-2 NE 1071	
(See note #1)	1405 CBFT2-3 PQ 788	1004 KSNW-3 KS 819	
1146 KIII-3 TX 1055	1411 unID-3 ABC	1007 KDUH-4 NE 1206	
1216 XHY-3 YU 1358	(See note #8)	1010 KSNC-2 KS 903	
1255 KGBT-4 TX 1166	1412 WIVB-4 ? NY T	1011 KFDX-3 TX 936	
1257 unID-4 Mexico	JUNE 1986	1011 KBTX-3 TX 911	
"Love Boat" in SS	6 T 0900 WAVE-3 (IN) 230	1028 KWGN-2 CO 1242	
12 E 2055 KGAN-2 IA 621	7 E 1006 KDFW-4 TX 864	1043 KIII-3 TX 1055	
14 E 1804 CKCW-2 NB 1107	1010 KENW-3 NM 1206	1055 KTVC-6 KS 975	
16 E 1111 KGBT-4 TX 1166	1014 KFDX-3 TX 936	1101 KRMA-6 CO 1242	
1118 KIII-3 TX 1055	1017 KMID-2 TX 1174	1101 KRIS-6 TX 1055	
1122 KPRC-2 TX 878	1022 KWAB-4 TX 1120	1101 KDA-5 CO 1241	
1156 KBTX-3 TX 911	1114 KTVY-4 OK 837	1129 KTVY-4 OK 837	
17 E 0953 KGFE-2 ND 1089	1122 KAMR-4 TX 1116	1129 KOET-3 OK 742	
0958 WISC-3 WI 590	1239 KBTX-3 TX 911	1130 KJRH-2 OK 747	
"Tornado safety ad"	1322 KIII-3 TX 1055	"2 Alive"	
0959 KBME-3 ND 1179	1457 KMOL-4 TX 1053	1130 KPRC-2 TX 878	
1000 WCCO-4 MN 815	2214 unID-2,4	1133 KAUZ-6 TX 936	
1000 KWSE-4 ND 1346	2257 KUSD-2 SD 878	1136 XHRID-2 TA 1164	
1001 KTCA-2 MN 815	8 E 1016 KIII-3 TX 1055	1147 KGBT-4 TX 1166	
1004 KDLO-3 SD 990	1026 KJAC-4 TX 812	1203 KOTA-3 SD 1233	
1006 KFVR-5 ND 1179	1033 KRIS-6 TX 1055	1258 KMID-2 TX 1174	
"Over strong local	1035 KMOL-4 TX 1053	1300 KENW-3 NM 1206	
WCYB—very rare!!"	1035 KENS-5 TX 1053	1332 KMOL-4 TX 1053	
1008 WDAY-6 ND 1019	1056 KPRC-2 TX 878	1335 KIAL-6 (LA) 693	
(See note #3)	1120 KFDX-3 TX 936	1427 XET-6 NL 1302	
1035 KYUS-3 MT 1386	1128 KEMV-6 AR 540	1514 KENS-5 TX 1053	
"After 10 years I	9 T 0856 WUNC-4 NC 203	1700 KDLO-3 SD 990	
finally got it!"	0906 WAVE-3 (IN) 230	1700 KXJB-4 ND 1076	
1947 KPRY-4 SD 1098	"Easy to ID by sound	1757 KSRE-6 ND 1256	
1948 KFDX-3 TX 936	—always have an	1758 KBME-3 ND 1179	
2027 KDUH-4 NE 1206	hourly beep"	1759 CBWFT-3 MB 1182	
2028 KACB-3 TX 1170	10 E 0925 unID-2 SS	1807 KGFE-2 ND 1089	
(See note #4)	0942 unID-3 PBS	1815 CKYB-4 MB 1276	
2029 KMID-2 TX 1174	1747 WPBT-2 FL 747	1822 KWSE-4 ND 1346	
2100 KOET-3 OK 742	1821 ColorVision-2	1841 KUSD-2 SD 878	
2125 KWAB-4 TX 1120	DR 1600	1842 KCNC-4 CO 1242	
2128 KAMR-4 TX 1116	"1st time in 6 yrs!"	1900 unID-3 SS	
2148 KAUZ-6 TX 936	1822 Cuba-2,3,5,6	1926 KLNE-3 NE 958	
2154 KAVE-6 NM 1265	all TV6 Net	1928 KTVS-3 CO 1152	
2155 KXTT-5 TX 1116	1823 Cuba-4 TR Net	1956 KWNB-6 NE 1040	
2159 KXAS-5 TX 864	1906 WTVJ-4 FL 747	1957 KSNB-4 NE 878	
2210 KBTX-3 TX 911	1906 WCIX-6 FL 747	2005 WQWT-6 NE 797	
18 E 1108 unID-3	2009 KMID-2 TX 1174	2005 KMTV-3 NE 797	
(See note #5)	2021 XHY-3 YU 1358	12 E 0906 WPBT-2 FL 747	
1806 KDLO-3 SD 990	2021 KGBT-4 TX 1166	0938 ColorVision-2	
1809 KUSD-2 SD 878	2021 unID-2 SS	DR 1600	
1818 KPRY-4 SD 1098	(See note #9)	0948 Cuba-4 TR 1100	
19 E 1500 unIDs-2,3,4 Can.	2053 KDBC-4 TX 1413	0952 KPRC-2 ON 918	
20 E 1930 unID-2 TX?	2054 KENW-3 NM 1206	0957 CKVR-3 ON 568	
22 E 2028 unID-2	2056 KIII-3 TX 1055	1006 WLBZ-2 ME 919	
24 E 2058 KOET-3 OK 742	2130 KFDX-3 TX 936	1019 CHFD-4 ON 918	
2059 KENW-3 NM 1206	2157 KRIS-6 TX 1055	1025 WSTM-3 NY 567	
2101 KAMR-4 TX 1116	2209 KBTX-3 TX 911	1026 KBME-3 ND 1179	
2104 KMID-2 TX 1174	2241 KMOL-4 TX 1053	1026 KDHL-3 MN 882	
2114 KFDX-3 TX 936	2300 KDFW-4 TX 864	1030 KGFE-2 ND 1089	

MATT'S VOLUMINOUS LOGGINGS CONTINUE ON THE NEXT PAGE

More E-skip from MATT SITTEL (the Pat Dyer of the Eastern U.S.)

JUNE 1986	JUNE 1986	JUNE 1986	JUNE 1986
12 E 1044 CKCO2-2 ON 648	14 E 0956 KTVS-3 CO 1152	15 E 1853 unID-3 FF	
1052 CKSD1-3 ON 689	0958 KWGN-2 CO 1242	1858 WGBH-2 MA 734	
1102 KDFW-4 TX 864	0958 KLNE-3 NE 958	T 1959 W03AJ VA 92	
1126 KENW-3 NM 1206	1129 KCNC-4 CO 1242	(Wytheville WKPT-19)	
1127 KOTA-3 SD 1233	T 1129 WAVE-3 (IN) 230	16 E 1157 KNOP-2 NE 1071	
1127 KDUH-4 NE 1206	15 E 0957 KAMR-4 TX 1116	1210 unID-4	
1128 KNOP-2 NE 1071	0959 KMMZ-2 NM 1310	18 T 1056 WSMV-4 TN 246	
1129 KTHO-2 WY 1335	1059 KENW-3 NM 1206	E 1147 KPRC-2 TX 878	
1151 KUSD-2 SD 878	1319 KXJB-4 ND 1076	1200 KIII-3 TX 1055	
1240 KWGN-2 CO 1242	1321 KDLO-3 SD 990	1200 KMOL-4 TX 1053	
1241 KSNC-2 KS 903	1322 CBMT-3 MB 1182	1218 KRIS-6 TX 1055	
1249 KSNW-3 KS 819	1827 WSTM-3 NY 567	1223 KBTX-3 TX 911	
"Don't be fooled: they ran ID 'KSN-TV 3'"	1830 unID-4 FF	1258 KTBS-3 LA 702	
(Stands for Kansas State Network--jfc)	1841 CHSJ-4 NB 1055	1339 KDFW-4 TX 864	
13 E 2052 KFDX-3 TX 936	1844 CBHT-3 NS 1116	1838 ColorVision-2 DR	
2055 KIII-3 TX 1055	1849 WBY-4 MA 734	19 T 1251 WUNC-4 NC 203	
	1853 WLBZ-2 ME 919	E 1257 unID-3 PBS	
	1853 CKCW-2 NB 1107	20 E 0928 unID-2 SS	
	1853 WFSB-3 CT 642	21 ? 0930 unID-3 CBS audio	



EQUIPMENT: CM 1160 Quantum w/amp @ 34' AGL (1453' MSL)

Archer U-120 @ 30' AGL (1449' MSL)

Both connected to CM 9512C rotor

Zenith 19" Color/Panasonic 5" B&W/Sanyo VCR 4400



NOTES:

- 1 -- "Turned on TV at 0858 and greeted by TP saying: "NEBRASKA ETV CENTER" in sparkling color! Before I could get a tape in, it was gone and never came back. For 6 years KLNE has never let me see a clear ID!"
- 2 -- "At one point I had 2,3,4 all with 'TV Worth Watching--Prairie Public TV,' for 10 minutes, and then pggg at 0900 without any type of a sign-on, except for playing the National Anthem." (Yeah, getting individual IDs on some of these statewide ETV nets is like pulling hen's teeth! [Anyone ever REALLY try that?]-jfc)
- 3 -- "Up to this point I had never logged a TV-6 station, mainly because WCYB-5 overlaps 6 a good deal..."
- 4 -- "This was weird! I was logging KFDX-3 and KXJB-4 at the same time. Then 1/2 hour later I logged KDUH-4 and KACB-3 at the same time (the former are 750 miles apart, the latter 900 miles apart)." (Multiple clouds are common in really intense openings, and can make things really hectic and difficult to ID--jfc)
- 5 -- "TP consisting of 7 columns of colors. (Known as a "full color bar" TP --jfc) They were playing rock music selections that were hits in 1985. In the middle of one song, a voice came on in SS, screaming like a maniac! I doubt it was XHY-3; they never seem very excited about anything...(Chuckle--jfc)...I wonder if it was pirate TV?" (I'm 99 44/100% sure it wasn't. It could have been any Mexican or Central American, though the "screaming" makes me think of Sr. Castro--jfc)
- 6 -- "For 3 straight Saturdays I had logged KOET-3, and the last 2 were at the exact same time." (Mild-mannered DXer Sittel had just entered...the Twilight Zone...doo-Doo-doo-doo doo-Doo-doo-doo--jfc)
- 7 -- "I had waited 10 years to see these two."
- 8 -- "Had a neat ID. They started with XHCH-2 Chihuahua, then it faded to where all I could see were the #s: 13, then 8, then 7. Wish I had seen all of it!" (Probably XHCH-2; I think LVH has noted the same ID--jfc)
- 9 -- "Nothing like spanning the countries! At SE was ColorVision, at NE was CKPR. The 2 are over 2750 miles from each other! (Wonder if any Canadians caught the Dominican?--jfc)

TWILIGHT ZONE

"I don't know how it has been for everyone else, but this May was the best May I've ever seen for Es here. I finally saw KOB-4 and KYUS-3. It POURED Es for awhile, with huge days occurring, such as May 17th I only got FM Es twice last year, and have already gotten more FM than all last year...WSJK-2 is now off until 1500 weekdays, which will hopefully clear up Ch. 2. Everything up to now has been over WSJK, which can be hard. I'm receiving CBN Cable on Ch. 3, and we don't have cable. I'm tired of it and hope it isn't blocking any Es...June 11 I logged nearly every 2,3,4 from TX to SD/ND and over 100 FMs...After 6 years I saw ColorVision-2 again. It has not changed in all these years!"

Bob Seybold, Bennett Rd., Dunkirk NY

(EDT)

JUNE 1986

9 T Evening: "Good opening; steady" WANE-15, WNDU-16, WLFI-18, WPTA-21, WSBT-22, WEYI-25, WSJV-28, WFUM-28, WFLD-32, WKJG-33, WNIT-34, WCFC-38, WUHQ-41, WMSH-46, WGGN-52, WFFT-55; also WFYI-20 and WHMB-40 I-polis IN

10 E Evening: "Started in FL in late evening, moved across Gulf states and then up through West to Northwest. Continued all night into AM of 11th and lasted until 2200 on 11th with no letup. Best opening in years. Some double-hop to MT and ID; also hit Channel 7 on 2 occasions--once with KOAM-7 Pittsburg KS and other unIDed. Covered all low-band channels through most of opening. Too many seen to list all, so will list only new and partial old:

WPBT-2 FL	WEAR-3 (AL)	KID-3 ID	WTVY-4 (FL)	KRMA-6 CO
WBRZ-2 LA	KTBS-3 LA (1650 mi.)	KDUH-4 NE	WCPX-6 FL	
KPRC-2 TX	KATC-3 LA	WTVJ-4 FL	KHAS-5 NE	WCIX-6 FL
KJRH-2 OK	KBTX-3 TX	WWL-4 LA	WPTV-5 FL	WDSU-6 LA
KSNC-2 KS	KSNW-3 KS	KDFW-4 TX	KXAS-5 TX	KOTV-6 OK
KWGN-2 CO	KTVS-3 CO	KTVY-4 OK	KOCO-5 OK	KAUZ-6 TX
KTND-2 WY	KOTA-3 SD	WDAF-4 MO	KYCU-5 WY	WDAY-6 ND
KNOP-2 NE	KOET-3 OK	KXJB-4 ND	KDCT-5 SD	CKRD-6 AT
KTVQ-2 MT	KLNE-3 NE	KCNC-4 CO	KTVG-6 KS	(1700 mi.)

(ED. NOTE: I added virtually all the call letters above. Distances are also mine, measured very approximately on a map. Bob listed a Channel 5 as "Enid" which I take to be KOCO-5 Oklahoma City. He also listed a Channel 5 in "Dawson Creek, Alberta." Dawson Creek is in BC and has no Ch. 5. Also listed was a Channel 6 in Shreveport--I have no idea. This report arrived right at deadline and I didn't have a chance to contact Bob to try to resolve these. Sorry--jfc)

12 E "Some E-skip for short time confined mostly to Channels 2 & 3 (briefly on 4 & 5. WBRZ-2, KTBS-3 and a few others."

"Other new loggings since last report include WBNX-55 OH, WKAF-68 NY, and WJPR-21 Lynchburg VA. Did notice considerable E-skip in May, but did not log it. Very busy here with not much time for DX. 73's."

Harry J. Hayes, 9 Henry St., Wilkes-Barre PA 18702

(EDT)

MAY 1986	MAY 1986	JUNE 1986
16 E 1800 KQTV-2 MO	25 E 1032 WPTV-5 FL	11 E 0735 WTVY-4 (FL)
17 E 0900 KSNC-2 KS	1500 KUSD-2 SD	1916 KFDX-3 TX
2008 WRCB-3 TN	JUNE 1986	1926 KNOP-2 NE
2100 WMBZ-2 MS	8 T 1801 WTAZ-62 NY	90 15 E 1852 WBTB-3 NC
18 E 1300 KUSD-2 SD	10 T 1930 WCDC-19 MA	140 1928 WPBT-2 FL
1300 KMTV-3 NE	E 1930 WPBT-2 FL	21 T 2000 WCDC-19 MA
25 E 1029 WCIX-6 FL	2045 WESH-2 FL	22 T 1100 WVTA-41 VT

EQUIPMENT: RCA 25" Chroamcolor

Finco 6' dish

Winegard 2-6 antenna

PA-4975 amp

CM VHF amp

2 CM 7206 UHF traps for overload



(All antennas above inside attic)

"Some of my more common type of E-skip loggings have been deleted from this report. We're in the second dry period for Es of the season, this being June 27. There hasn't been any Es noted since the 15th."

EDITOR'S CORNER

I hate to sound like a broken record, but let me remind you of a few things. The deadline for the column is the 1st of the month, meaning your report must be in my hands on or before the 1st to be assured of publication in that column. Reports arriving on the 2nd or 3rd are sometimes used, but no guarantees! Mail your report by the 25th of the previous month to assure arrival by the 1st; a couple of this month's reports were postmarked the 30th, and that cuts it rather close. Include date, mode, time (24-hr. clock), calls, channel, and state for each logging. Please try to include at least approximate mileages. Indicate your time standard; I will assume you use the official local time at your QTH unless you indicate otherwise. UnIDs should be sent to Robert Grant unless unusual or noteworthy. Station info, articles, etc. should go to Bill Fahber. Am I being picky? I hope not. I'm open to comments & criticisms--jfc.

ANARC UPDATE

WHERE WAS LAST MONTH'S ANARC UPDATE?

One good thing about doing a column like this is that I don't have to do it every month. If I miss a month, people do not become angry because they missed their favorite column. So, if I get lazy or busy at the beginning of a month, then there's no ANARC Update.

Such was the case at the beginning of June. We had just come back from our vacation. It was a much needed vacation and we enjoyed every minute of it. We drove along the coast as far as Southwestern Maine. The highlights of the trip were a drive through Cape Cod and Cape Ann, a ferry ride to Nantucket Island, and a visit to Plymouth Rock. Our accommodations included two motels, two guest houses, and one sister-in-law's house. Guest houses are usually large old homes that rent out rooms. The rooms tend to be small and you get what you pay for. You would be surprised what you can live with-out when you are paying about half the price of a regular hotel or motel.

This was the first trip with my mini TV. It is a Windsor "Deluxe portable". It has a 5" screen and runs on batteries, house current or an auto's cigarette lighter. Windsor is known for its inexpensive radios and portable TV's. The set performed fairly well, but it does have its limitations. The biggest problem with the set was its rejection of a signal near a transmitter. Joyce's sister in West Hartford lives near the transmitter for WFSB-3. In between the local stations, WFSB was everywhere- on VHF and UHF!

The set did come in handy and it did perform well in the situations where it was needed.

The first use of the set came at a rest stop east of New Haven on the Connecticut Tpk. I wanted to see what type of signal Long Island's WLIG-55 had on the other side of The Long Island Sound. The station puts in a good watchable signal. I am surprised that they are not listed in the Hartford-New Haven edition of TV Guide. (I really should not be so surprised as WTTA-62 puts in a good signal over a portion covered by the New York Metro edition of TVG, and yet their program schedule is not listed.)

The next time I pulled out the set was in Fall River, Mass. We went to an old factory that was turned into a factory outlet mall. In one of the outlets, I found a local "TV Facts" magazine. In it was listed a Channel 28. I know there wasn't a Channel 28 on the air in Fall River, but the is a CP for an independent station. I became excited and I excused myself from shopping. I gave the excuse that I wanted to bring the packages to the car. Once in the car, I pulled out the TV and I plugged it in. I received a fair picture of WHLL-27 Worcester, but no Channel 28. As far as I know, they are still not on the air.

The first place we stayed was a motel in Hyannis, Mass. The motel had a nice large room with a beautiful Color TV set. It received the Boston and Providence stations. But one station was missing, the local Cape Cod station WGVX-58. So I found myself playing with the set in the motel room.

The second place we stayed was our first guest house in Provincetown Mass. The room was tiny. It was better used as a walk in closet. There was just enough room for a bed and a dresser. No TV of course. I couldn't even find a place to plug in the Mini-TV. Another drawback of the set is the large number of 'D' cell batteries needed to operate the set (9). I got to see how well the set operated on batteries, but I could not operate it for long periods of time. The battery life of the set is only about 2 hours. Also, the only station that put in a good signal was WGVX-58!

Our next stop was our fanciest and most expensive motel, a Suisse Chalet in Woburn, Mass. It had a large 25" Color TV set. Most of the Boston UHF

stations appeared on the unused channels. I couldn't figure out which station was on which channel. Also, several stations were missing, such as WHLL-27, WVJV-66, WGBX-44, WHNT-21, WENH-11, and WNDS-50. Also, Woburn is closer to Providence, RI than Hyannis is. The Providence stations put in a clear watchable signal. The only way I knew this is by playing with my set.

Our next stop was a guest house in Hampton Beach, NH. It was the only place I did not use my Mini-TV. They had a 12" B&W set in the room that was hooked up to a nice sized antenna above the house. I was able to receive all the stations from Boston to Portland. I wish all places to stay had as good a Television system as this. It was a travelling DX'ers dream. Until all places to stay have a TV set up like this, my mini-TV will go on all my domestic trips for now on.

AN UPDATE ON THE ELECTRONIC COMMUNICATIONS PRIVACY ACT 1986

The latest on this piece of legislation, is that a substitute piece of legislation has been introduced to replace HR 3378, the original bill. The number of the new bill is HR 4952. The most significant change is the change of the definition of interception. The new bill adopts ANARC's definition, which is the "Acquisition of the contents". The original bill's definition was the "Interception of the transmission of the contents. It would have been illegal just to receive an encoded signal. The new definition makes it legal to receive the signal if it is readily accessible to the public. The big question is what is an inaccessible signal. Under FCC rules these are coded or scrambled signals. Also included are FM subcarrier and subsidiary services, and certain satellite transmissions. The penalty for violating the law could be a year in jail and up to a \$10,000 fine. Lawful transmissions to monitor are those that relate to ships, aircraft, government-al enforcement, civil defense, public safety, CB and amateur radio. Not covered by the law are cordless telephones.

HR 4952 (as of the date this was written) is still not law. It was approved by the House Judiciary Committee and it is now scheduled to be considered by the full House of Representatives.

The new bill is much better than the old bill. But it has its faults that may have a profound affect on some of the activities now enjoyed by WTPDA members. There is still time to write to your legislators to show your disapproval not only for the bill, but for the whole concept of the law. Once enacted, there is no way to foresee how it will be implemented, enforced, and ruled upon in a court of law.

The Michigan Area Radio Enthusiasts have published a guide to DX-peditions. It explains how to organize and prepare for a DX-pedition, to properly choose a site, and what equipment to bring. It is available by mail for \$1.25 by writing to MARE at 24500 Union, Dearborn, Mich. 48124.

If you are interested in keeping up with the activities of ANARC, and its member clubs, the best source is the ANARC Newsletter. It is published monthly and usually includes a calendar of upcoming club events, a review of new receivers and equipment called "The Marketplace Report", and timely updates to the Electronic Communications Privacy Act. The cost is only \$7.50 a year in North America and is available by writing to ANARC Newsletter P.O. Box 24, Cambridge, Wisc 53523-0024, U.S.A.

Two big conventions will round off the summer. The International Radio Club of America will hold its convention at the Hyatt of the Palm Beaches Hotel in Palm Beach, Fla, from Aug 22-24. For more information, please write to IRCA, P.O. Box 482, East Moline, IL 61244. The other convention is for the National Radio Club. It will be held Labor Day weekend at the Ramada Inn, New Castle, Delaware. For registration information, write to: Dave Schmidt, Box 11502, Wilmington, Del. 19850. Whenever you write, please send a self addressed, stamped envelope and please mention that you heard about it from WTPDA.

I'd like to say "Hello" to everyone I met at the ANARC Convention in Montreal. I have gained many friends at the previous conventions, and I enjoyed meeting many new people at this years convention. A special "HELLO" to all WTPDA who attended ANARCON'86. Please tell me what you thought of the convention. My next ANARC Update will have a full report on the convention.

See you next month-----Unless I get busy or lazy!!!

73's

Steven P. Sprachman

From
Lima,
Peru.



NUMERO UNO EN
MUSICA POPULAR

UNION 103.1 FM

WESTERN TV-DX

Fred McCormack
Box 5221
State University Sta.
Fargo, ND 58105

August 1986

Deadline: 9-5-86

E skip seemed to be best on the 10th, 11th, and 15th of June with the 11th probably being one of the best ever dates for E skip. In addition to these dates, some E skip was reported on most of the balance of the month (including some double hop), but I think the quantity and quality of loggings indicates that 1986 will not go down as an exceptional year for E skip. (I am sure that is an understatement!)

In addition, a number of decent tropo openings were observed in the midwest during the month of June. There is also a report this month about some super tropo into New Mexico on a couple of dates last April and May.

New _____ New Mode _____ Tent. - t Unidentified - unid S/On - + S/Off - =
ID Color Bars - @ - Unid Color Bars - % IHTP - \$ Misc. Test Patterns - &

CH - Chihuahua CU - Coahuila NL - Nuevo Leon PU - Puebla QR - Queretaro

Roger Winsor, 302 W. John, Champaign IL 61820

CLT?

TV was wild this afternoon of June 11: KTVQ-2 MT was in and out with KTW-2 WY, KPRY-4 SD and KIVV-5 SD for two hours, KPLO-6 SD, KCWC-4 WY @ 8 PM, and KOWY-5 WY.

Equipment here very mediocre: black & white portable to antenna on roof of apartment pointed west - no rotor, splices in lead in - still got five new stations. Spent more time on my real love - FM.

This AM all St. Louis VHF's in good, WGEM-10 IL, WCEE-13 IL, and KFVS-12 IL also fair - good. Rotor would help, but no \$\$.
73's, Roger

William Draeb, Ellis St., Rt. #2, Kewaunee, WI 54216

CDT

Equipment: 7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis with B-T AB-3 (tube type) preamp @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-4026 (lo-band) and Winegard SC713 (hi-band) yagis. Hi-band uses AB-300 preamp. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40' tower), and Panasonic 9" b&w portable.

Lots of DX lately, so here's a report:

May 1986	3 tr 0811	WCTE 22 TN 587	7 Es 1406	KATC 3 LA 1030
26 Es 1215	unid 2+, 2- sse	WKPC 15 KY 437	1515	KPRC 2 TX 1117
1228	unid ch 4+ sse	WGRB 34 KY 437	1533	KBTX 3 TX 1079
	unid ch 3 sse	WDRB 41 KY 437	8 tr 0550	WMSN 47 WI 134
	WBRZt 2 LA	WKLE 46 KY 473		(Same offset as WSYM - 6 bars)
28 tr 0600	WUTV 29 NY 445	WDKY 56 KY		(Same offset as W42AF 42 WI 78)
1822	WSEE 35 PA 405	(Same offset as WTVS - 10 bars)	Es 1122	KPRCt 2 TX
1830	Lima, Dayton U's	WTVS - 10 bars)		KIIII 3 TX 1295
2134	WCET 48 OH 400	WYMT 57 KY 553	1230	WCET 48 OH 400
	WTJC 26 OH	WCET 48 OH 400		WTVQ 36 KY 473
	(Strong, under local WGBA-26)	WKYT 27 KY 473		WXXI 19 OH 400
2156	WPBO 42 OH 461	WXXI 19 OH 400		WEVV 44 IN 420
	unid channel 21	WEVV 44 IN 420	1312	WEHT 25 IN 420
	(Louisville ???)	WFIE 14 IN 420		WVUT 22 IN 405
2215	WXIX 19 OH 400	WVUT 22 IN 405		WVUT 22 IN 405
	WIII 64 OH 400	WVUT 22 IN 405	1323	WVUT 22 IN 405
29 tr 0817	WVUT 22 IN 405	WVUT 22 IN 405		WVUT 22 IN 405
30 tr 0705	W42AF 42 WI 78	WVUT 22 IN 405		WVUT 22 IN 405
	(Ripon STV)	WVUT 22 IN 405		WVUT 22 IN 405
	(See Note # 1)	WVUT 22 IN 405		WVUT 22 IN 405
June 1986	4 tr 0628	WCET 48 OH 400	7 Es 1313	KMIDt 2 TX
3 tr 0755	KNLC 24 MO 432	WCET 48 OH 400		KENWt 3 NM
	KDNL 30 MO 432	WCET 48 OH 400		unids chs 4-6
	WHT 27 IL 481	WCET 48 OH 400	1323	unids chs 4-6

Western TV DX

August 1986

William Draeb (continued)

11 Es 1300	KFDM 6 TX 1068	1300	KENW 3 NM 1103	17 tr 2109	WCTE 22 TN 587
1500	KTVK 6 KS 811	1230	KMIDt 2 TX	2132	WCAYt 30 TN 400
1730	KCNC 4 CO 952		unids chs 5, 6		WIII 64 OH 400
	KRMA 6 CO 952	1440	KIDK 3 ID 1214	18 tr 0700	WRAO 49 OH 380
	KWGN 2 CO 952	1515	KTWot 2 WY	0728	WMSYt 52 VA
1740	KOAA 5 CO 978		KOTat 3 SD	20 tr 2145	WGRB 34 KY 400
1749	KYCUt 5 WY	1730	KXLft 4 MT		WKON 52 KY 437
1813	KWNBt 6 NE		CITL 4 SA 1175		WIII 64 OH 400
1825	KREXt 5 CO		CKSA 2 SA 1175		WTVQ 36 KY 473
1830	KTVS 3 CO 837	1745	CFQC1 3 SA		WXIX 19 OH 400
1856	KRTV 3 MT 1159	1800	CKTVt 2 SA	2246	WHIZ 18 OH 400
1900	KFBbt 5 MT	1830	KTVX 4 UT 1264	2308	WUTV 29 NY 445
1905	KTWot 2 WY		KUTVt 2 UT		WSEE 35 PA 405
2005	WFSB 3 CT 767	1900	KXLY 4 WA 1450	2314	WUHF 31 NY 500
2018	WGBH 2 MA 840		KLEWt 3 WA	21 tr 0700	WDKY 56 KY
	WBZ 4 MA 840		unid ch 4 edu		WYMT 57 KY 553
2034	WLBTz 2 ME	tr 2105	KDSM 17 IA 371		WSEN 47 VA 589
2036	WCAX 3 VT 707		KHIN 36 IA		WOSU 34 OH 395
12 Es AM chs 2,3	No time to watch.	2145	KPTM 42 NE 461		(Above 2 snwfree)
	1225 KPRYt 4 SD		KLDH 49 KS 560		WPBO 42 OH 461
	KWSET 4 ND		KSNT 27 KS 560		WSFJ 51 OH 395
			(Over WKOW-27)		WXIX 19 OH 400
13 Es AM chs 2-4	No time to watch.	2220	unid channel 43	0733	WMSY 52 VA
		2224	unid channel 44	0736	WLJC 65 KY
15 Es 0900	KIII 3 TX 1295	16 tr 0550	WKDSM 17 IA 371		WTJC 26 OH
	KPRC 2 TX 1117	17 Es 1220	chs 2-4 sw		(Snow free over WGBA-26)
0930	WESH 2 FL 1130	tr 2109	WGRB 34 KY	0830	WIII 64 OH 400
1200	KFDX 3 TX 945		WDRB 41 KY 437		
			WTVQ 36 KY 473		

Note # 1 - May 30 @ 0705 - W42AF snowfree - appeared to be same offset as CKCO-42 - video OK, but no audio.

As you can see, E skip picked up as did tropo activity. Local WBAV-2 must have been plagued with calls of CCI on them because they had an engineer on their local "Noon Show" explaining to the people what to do if their picture gets messed up; namely, "lie down until it goes away", not my words, but what he said. He said someone saw them in Portland, Oregon, but didn't give any date.

The tropo action on June 15 I almost missed. I was watching the tail end of the E skip opening on my 9" portable when I turned to channel 8 to find KCCI-8 with the whip antenna.

KXLY-4 surprised me on the 15th also. I was watching KTVX-4 (minus offset) when I noticed another minus beating with them. It usually turns out to be KCNC-4, Denver, but when the dust settled this time, it was KXLY-4. It just shows that you shouldn't take anything for granted.

WMSN-47 is on. I believe the day I saw them was their first day. They were running a blank slide with call letters.

I had been plagued with cable interference for the past month, at times wiping out semi-locals in Milwaukee, etc. I got them to come over here and take a look at it, and I thought it went in one ear and out the other. This was two weeks ago. But I see, tonight the problem is gone. I hope for good.

Randy Miltier, 1068 Fairview Avenue, San Jose, CA 95125

PDT

May 1986	22 Es 1100	unid chs 2, 3	E skip not overwhelming
25 Es 1314	KPLO 6 SD 1250	1337	here, but I haven't had the
	unids chs 2-6	1400	TV on much. I spent most of
		1538	May in Canada, so I'm sure I
		29 Es 0900	missed an opening or two. I
		KN?? 2 ??	was hoping to get my new
			Quantum up by this season,
			but....

Interesting fact on the KPLO-6 catch of May 25, last time I saw KPLO-6 was in 1969....on May 25! I told the chief engineer this in my reception report, and he wrote back saying he's looking at my 1969 letter and photos as he writes my verification letter. The same CE, Darrell House, answered both letters.

I believe my June 29 channel 2 is KNOP in North Platte. Details sent to CCI.

William Eckberg, 1032 Sterling Road, Dixon, IL 61021

CDT

Equipment: 1966 Zenith b&w tube receiver ch 14N22, modified Zenith 175-1953 detented tuner. Channel Master 1110 VHF antenna. Channel Master 7 foot UHF parabolic antenna with Winegard PA4975 preamplifier on a 40' tower.

June 1986	11 Es 1200	WDIQ	2 AL	727	15 Es 0930	WESH	2 FL	983
3 tr 0044	WOWK	13 WV	428	1205	WML	4 LA	813	1000
2230	KPTM	42 NE	335	1230	WKRQ	5 AL	752	1100
6 Es 2215	KWGN	2 CO	811	1300	KALB	5 LA	742	1200
2255	KNMZ	2 NM	972	1330	WUFT	5 FL	923	1345
2330	KMID	2 TX	967	1435	WTVY	4 AL	758	17 tr 2250
2400	KPRC	2 TX	890	1635	WEAR	3 FL	792	18 tr 0450
7 Es 0935	WML	4 LA	813	1635	CKND2	2 MB	752	0520
1000	KWGN	2 CO	811	1650	CKBI3	4 SA	983	0525
1035	KPRC	2 TX	890	1655	CKBI	5 SA	1063	0535
1100	KBTX	3 TX	856	1700	KWSE	4 ND	802	0555
1130	KENW	3 NM	912	1725	CKTV	2 SA	918	0645
1320	KNAZ	2 AZ	1258	1740	KOWY	5 WY	966	19 tr 0455
1400	WNBZ	2 LA	784	1750	KTVQ	2 MT	968	0545
8 tr 0510	WMSN	47 WI	92	1800	KOTA	3 SD	699	Es 1230
9 Es 1300	KPRC	2 TX	890	1830	KIVV	5 SD	735	23 tr 0515
10 Es 1530	KUTV	2 UT	1139	1845	KTWO	2 WY	849	25 tr 0445
1600	KNAZ	2 AZ	1258	1845	KIDK	3 ID	1123	0455
1800	KNMZ	2 NM	972	1930	KCWC	4 WY	966	0513
1855	KIII	3 TX	1072	1945	KUTV	2 UT	1139	0520
1900	KRGV	5 TX	1189	2030	KWGN	2 CO	811	0600
2100	XHCH	5 ??	????	0900	WGBH	2 MA	918	0635
(See Note # 1)				0915	KIII	3 TX	1072	0640
2200	KENS	5 TX	992	0930	WFSB	3 CT	842	0645
2215	KGBT	4 TX	1183	1030	WPBT	2 FL	1229	26 tr 0440
11 Es 0105	KACB	3 TX	933	1030	KNMZ	2 NM	972	0445
0800	WCSC	5 SC	797	1100	KIDK	3 ID	1123	0515
0830	WCBD	2 SC	797	1200	KPRC	2 TX	890	0535
1025	WPBT	2 FL	1229	1500	KNAZ	2 AZ	1258	0543
1030	KRGV	5 TX	1189	1930	WESH	2 FL	983	0610
1040	XEFB	2 NL	1282	13 tr 0505	KGOAL	60 IA	137	28 tr 2330
1045	KIII	3 TX	1072	(Keokuk	LPTV)			2340
				15 Es 0900	KNMZ	2 NM	972	29 tr 0505
				0925	WPBT	2 FL	1229	0520

Note # 1 - I saw XHCH on channel 5. According to the WRTH that call is on channel 2. I'm positive on the channel I saw it on. Is this a repeater? Anyone any ideas?

June 11 was the best E skip day ever for me with 28 new stations positively seen. Very intense from 1700-1930. KCWC-4 took out local WHEB-4 easily - both in the same direction. I credit the logging to my Channel Master 1110. Its directivity is outstanding compared to the other VHF antennas I have used.

There were several tropo openings the last half of the month. I logged WLOS-13 at 558 miles several times. They get out with their tall tower. Their test pattern is very distinctive with their ID, etc, in the bullseye. I see it from 0430-0500 weekdays.

John Ebeling, 9209 Vincent Avenue South, Bloomington, MN 55431

CDT

Reception at Prosit, Minnesota cabin. Cabin phone: 218-345-6718

May 1986	25 Es 1200	KWGN	2 CO	Vis	14 Es 1100	WBRZ	2 LA	
17 Es 1702	KMID	2 TX		Aur	15 Es 1100-1400	WNGE	2 TN	
1832	WTVY	4 AL	1300		1405	KMID	2 TX	
2030	KPRC	2 TX	1406		1410	KNMZ	2 NM	
18 Es 1100	WKTV	2 NY	1600		1450	KDBC	4 TX	
1130	WPMY	2 NC	1603		1515	XBJ	5 CH	
19 Es 1800	WESH	2 FL	26 Es 1201	WDIQ	2 AL	1700	WGBH	2 MA
23 Es 1500	KUTV	2 UT				1750	CKTV	2 SA
1750	XEPM	2 CH	June 1986			1800	CJFB	5 SA
1759	KMID	2 TX	2 Es 0945-1130	CFAC	2 AB	29 Es 1100	KNAZ	2 AZ
25 Es 1100	KALB	5 LA	1830	KBCI	2 ID		KOB	4 NM
Low band full of			8 Es 1100	WBRZ	2 LA	1300	KNAZ	2 AZ
E skip.			1130	KPRC	2 TX	30 Es 1100	WESH	2 FL

Marvin Shults, RR#1, Toulon, IL 61483

CDT

* Reception on vertically polarized antenna.

June 1986	11 Es 1028	ICR	2 Cuba	15 Es 1833	CFRN	3 AB	
6 Es 2157	KWGN	2 CO	1029	WEAR	3 FL	1843	CBXT
2158	KUTV	2 UT	1030	unid ch 5	Mexico		CKRD
2159	unid channel 4		1034	XEFB	2 NL	1856	KTRVQ
(KCNC or KTVX)			1129	XEPM	2 CH	2000	CKSA
7 Es 0847	KNMZ	2 NM		XEJ	5 CH		KIDK
0859	KNAZ	2 AZ	1200	KAVE	6 NM	16 Es 1742	WCAX
1157	KENW	3 NM	1222	*unid ch 4	TX NBC	1749	WLBZ-2 or WKTV-2
1158	XEPM	2 CH	1229	WKRQ	5 AL	1759	WLBZ
1159	KNAZ	2 AZ	1233	*KJAC	4 TX	17 tr 0830	KSHB
1220	KMID	2 TX	1235	KRGV	5 TX		KYFC
2059	KNAZ	2 AZ	1241	KPRC	2 TX	18 tr 1129	KZKC
8 Es 1052	KNAZ	2 AZ	1300	KATC	3 LA		KSPR
1058	KVOAT	4 AZ	1324	KFDMt	6 TX	1130	KDEB
tr 1358	WLKY	32 KY	1329	WJXT	4 FL	19 tr 1130	KTVP
2200	Dayton ch 22, 45		1339	WSAV	3 GA		WRGT
WLIO	35 OH		1400	+WSJK	2 TN		Detroit ch 50,56
WBGU	57 OH		1514	WEDU	3 FL	20 tr 0555	KBSI
2228	WOIOt	19 OH	1518	WCPX	6 FL	0557	KSNT
WVIZt	25 OH	+kHz	1520	WPTV	5 FL	0603	KSHB
WUABt	43 OH	OkHz	1521	WESH	2 FL		KZKC
2229	WQLN	54 PA	1555	WWAY	3 NC	0617	K60CLt60 IA
WPGH	53 PA			*WEDU	3 FL	0633	KLDH
2245	WPXit	11 PA	1600	WDIQ	2 AL	0645	KOZJ
2247	W6TALT67	OH	1800	KOWY	5 WY		K56BX
2259	WMSN	47 WI	1830	KCWC	4 WY		56 MO
9 tr 0745	KXLI	41 MN		KOWY	5 WY	(Steelville	LPTV)
0758	Minneapolis 9,		1845	KOTA	3 SD	0710	KODE
11, 17, 23, 29			2058	KUTV	2 UT	0729	KPTM
0759	K14AF	14 IA	2100	CBFT	2 PQ	1059	KQLDt
(Decorah	KYIN-24)		2114	CJBRT	3 PQ	21 tr 0238	W57AO
10 Es 1230	KTVQt	2 MT	2114	KRGV	5 TX	(Robinson	LPTV)
1258	KUTVt	2 UT	12 Es 0852	XEFBt	2 NL	0253	WXIX
1259	KTWot	2 WY	0856	KIII	3 TX	0258	WRGT
1300	KYUS	3 MT	0858	KMOL	4 TX		WTOLT
(ID with KOUS-4)			1014	WFSB	3 CT		WIHT
1330	KTWO	2 WY	1025	WGBH	2 MA	22 tr 2159	Detroit 50,56t,62
1358	WESH	2 FL		*WLBZ	2 ME	23 tr 0730	KC ch 9,41,50,62
1359	WTVY	4 AL	1052	*KNAZ	2 AZ		WCET
1452	KTVxt	4 UT	1056	CBFTt	2 PQ	0745	WIII
1453	KSL	5 UT	1100	KIDK	3 ID	0750	WUAB
1454	KUTV	2 UT	1142	*KUTV	2 UT		WUPW
1459	KTVX	4 UT A ID	1145	CBFT	2 PQ	0758	WOTO
1817	KMID	2 TX		XEPM	2 CH	0806	WOT
1858	XEFB	2 NL	1350	KNAZ	2 AZ	24 tr 0630	WUPW
1900	KIII	3 TX	1528	KUTV	2 UT		KSHB
KENS	5 TX		1530	KNAZ	2 AZ		KZKC
1907	XET t	6 NL	1530	KWGN	2 CO	25 tr 0600	KLDH
1908	KMOLt	4 TX	14 Es 1030	XEPM	2 CH		WAQP
1959	KENW	3 NM	15 Es 0900	KNAZ	2 AZ	0620	Cincy ch 48, 64
2047	XEJ	5 CH	0907	KVOAt	4 AZ	0624	KC chs 41,50,62
2100	KRGV	5 TX	0930	KUTV	2 UT		WKEF
KACB	3 TX		0958	KMID	2 TX		WTLW
2118	XEPnt	3 CU	1000	KIDK	3 ID	0630	WKOI
2128	KIDYt	6 TX	1030	XEPM	2 CH		unid channel 43
2130	unids chs 2-6	sw	1048	KTVQ	2 MT		KNMZ
(Intense)			1100	KUTV	2 UT		KENW
11 Es 0800	WWAY	3 NC	1150	KWGN	2 CO	1222	XEPM
0823	WESH	2 FL	1159	KENW	3 NM	1240	KNAZ
0830	WUNDT	2 NC	1230	*KENW	3 NM	1242	KVOAt
0859	WPBT	2 FL	1239	KONct	4 CO	1257	KOB t
0900	WEDU	3 FL		unid ch 5	NBC	1270	unid channel 5
0901	WCBD	2 SC	1400	KNAZ	2 AZ	2200	KTWO
1025	KRGV	5 TX	1728	KCWC	4 WY		KTVQ
				KNMZ	2 NM	26 tr 1056	CFRnt

<u>Marvin Shults (continued)</u>				28 tr 2130	WUAB	43 OH	29 tr 0627	WCPO	9 OH
				29 tr 0500	WHIO	7 OH	0633	WPTD	16 OH
26 tr 1059	WUPW	36 OH		0510	WLEX	18 KY		WPTO	14 OH
28 tr 0816	KC chs 41,50,62			0511	WXIX	19 OH	0638	WCET	48 OH
	KLDDH	49 KY		0518	WOWK	13 WV	0650	WSFJ	51 OH
	0828	K28AE	28 MN	0525	WCMH	4 OH	0653	WCYN	54 KY
	(Fairmont		LPTV)	0526	WVAH	23 WV	0656	WKON	52 KY
2026	WAQP	49 MI		0528	WTVN	6 OH	0657	WKLE	46 KY
	Dtrt	20,50,56,62		0536	WIII	64 OH	0659	WBNS	10 OH
2029	CBEFT	54 ON		0540	WKRC	12 OH		WPBO	42 OH
2042	WCLQ	61 OH		0547	WHIZ	18 OH			
2043	unid	channel 67		0550	WPBY	33 WV			
2044	CIC059	59 ON		0554	WDKY	56 KY	July 1986		
2100	WIHT	31 MI		0559	WTJC	26 OH	2 tr 0421	WAVE	3 KY
	(Over	WMBD-31)			WKYT	27 KY	0425	WTLX	10 MI

Paul Mitschler, 4911 Idlewilde SE, Albuquerque, NM 87108

MDT

Equipment: Four element channel 3 yagi, five element channel 6 yagi, rotor @ 25 feet
Hitachi 9" color, Universal v1000 electronic tuner.

May 1986

29 Es 1700	XEZ	3 QR	930	10 Es 1120	XHP t	3 PU	15 Es 1510	KIMT	3 IA	910
1830	KTVO	3 IA	850	1520	WREGt	3 TN	1650	WEAR	3 FL	1190
2115	WAVE	3 KY	1175	1530	KDLH	3 MN 1090	16 Es 1500	XEZ	3 QR	930
31 Es 0837	WRELt	3 GA			KBME	3 ND 850	19 Es 2145	unid ch 2 CBS ne		
0940	unid channel 3 e			1800	WSIL	3 IL 1000	20 Es 0800	KIII	3 TX	750
1050	KCRA	3 CA	850	1825	WAVet	3 KY	0935	XEZ	3 QR	930
				2100	WPSDt	6 KY	1200	XHP	3 PU	

June 1986

7 Es 0900	WRELt	3 GA		11 Es 0925	WEAR	3 FL	1190	21 Es 2130	KEYT	3 CA	725
1037	CBWFT	3 MB	1150		WRCBt	3 TN			KTUV	2 CA	890
1040	KDLH	3 MN	1090	1017	WBRC	6 AL	1150	22 Es 0830	XEZ	3 QR	930
	KBME	3 ND	850	1130	KIMT	3 IA	910	1630	KVDO	3 OR	1090
1300	KIMT	3 IA	910	1415	CBWFT	3 MB	1150	1800	KCRA	3 CA	850
1330	KTVO	3 IA	850	1730	KDLO	3 SD		25 Es 1230	KCRA	3 CA	850
	KMTV	3 NE	710	2000	KBME	3 ND	850	1320	KVDO	3 OR	1090
	WMT	2 IA	920	12 Es 0800	unid ch 3 CBS			1340	CBWFT	3 MB	1150
1500	WAVet	3 KY		0900	KMTV	3 NE	710		KBME	3 ND	850
	CKSO	3 ON	1500		KIMT	3 IA	910		CKSO	3 ON	1500
1530	KRTV	3 MT	875	1015	WEAR	3 FL	1190	26 Es 0800	unid ch 3 ABC e		
8 Es 0800	KIMTt	3 IA		1030	WLBt	3 MS		2145	KVDOt	3 OR	
	WAVet	3 KY		14 Es 0915	WREGT	3 TN		29 Es 0848	unid ch 3 east		
10 Es 1120	XEZ	3 QR	930	tr 1030	KENW	3 NM	200	30 Es 0908	KEYT	3 CA	750

It has been very good to see the E skip this month, and I was quite surprised to get KENW-3 from Portales which lies on the other side of the mountains east of the city. It would sure be nice to get a signal on either channel 4 or 5, but the locals just seem to block all chances.

Jeff Kadet, W3CRH, Box 20, Macomb, IL 61455 (309)-833-1809

CDT

Equipment: Zenith 9" black & white, Zenith 13" color, Channel Master 1110 with CP 3800 preamp, RG-11 at 50', Channel Master 7' dish with PA 4975 preamp, .500 cable at 55', Winegard 5 element low band vertically polarized at 20'

June 1986

6 Es 2329	KNMZ	2 NM	890	7 Es 2044	KNMZ	2 NM	890	9 Es 2100	KNAZ	2 AZ	1180
7 Es 0001	KPRC	2 TX		8 Es 0114	KMID	2 TX	890	10 Es 1359	WPTV	5 FL	1125
0008	KJAC	4 TX	760		1044	KPRC	2 TX		WUFT	5 FL	880
1100	KTBS	3 LA	580		1059	KBTX	3 TX	755	1422	WPBT	2 FL 1175
1130	KENW	3 NM	820		1215	KACB	3 TX	840	1430	KUTV	2 UT 1105
	KDBC	4 TX	1055		1230	KFDX	3 TX	625	1436	KWGN	2 CO 755
1217	unid channel 5				1251	KIII	3 TX		1459	KTVX	4 UT 1105
1219	KUTV	2 UT	1105		1306	KMID	2 TX	890	1700	KNAZ	2 AZ 1180
1300	KTVX	4 UT	1105		2035	WCBD	2 SC	790	1759	KGBT	4 TX 1065
1329	KREX	5 CO	950	tr 2335	WMSN	47 WI	180			KRGV	5 TX 1160

Jeff Kadet (continued)

10 Es 1812	unid ch 3 Mexico (2 stations - 1 overmodulated)	0956 WCVB 5 MA 1010 0959 WEDU 3 FL 980 13 Es 1829 WPBT 2 FL 1175 1930 KMID 2 TX 890	19 tr 0043 KXTX 39 TX 640 KDPI 27 TX 640 KTXA 21 TX 640 (All brfly snow free.) 0204 WDBB 17 AL 535 0332 KTVt 11 TX (0 kHz u/KPLR 0450 unid channel 9 (Guitar solo sw) 2344 =K45AY 45 AR 325 (See Note # 1)
2000 KENW 3 NM 820	unid ch 6 XEW	14 Es 1035 unid ch 2 Mexico	20 Es 1507 unid ch 2 Mexico
2100 KIDY 6 TX 880	unid ch 5 XEW	1059 WESH 2 FL 950	2230 WCBD 2 SC 790
2137 XET 6 NL 1160	unid ch 5 Mexico (Got loc ad pix)	15 Es 1500 KNAZ 2 AZ 1180	23 tr 2230 Huntsville 48,54
2305 KENS 5 TX 890	2328 =unid channel 6	1552 XEFB 2 NL 1100	24 Es 1100 WESH 2 FL 950
11 Es 0035 KDBC 4 TX 1055	0043 KIII 3 TX	1654 KNMZ 2 NM 890	1159 WPBT 2 FL 1175
0103 KMOL 4 TX 890	0106 =KACB 3 TX 835	1750 CKTV 2 SA 970	25 tr 0332 WETO 39 TN 520
0115 =XEFB 2 NL 1100	0220 KTVK 3 AZ 1265	1758 CFRN 3 AB 1410	0525 Dtrt U's snwfree
0859 WPBT 2 FL 1175	0930 WEAR 3 FL 725	1830 KOUS 4 MT 925	0545 unid channel 31 (20 kHz u/WRHT)
0959 KRIS 6 TX 965	KRGV 5 TX 1160	1848 KTVM 6 MT 1150	Es 1415 KWGN 2 CO 755
	KIII 3 TX	1900 CBXT 5 AB 1410	1425 KTUS 3 CO 650
1018 XEZ 3 QR 1225	1031 unids channel 5 (Two of them)	2053 CKSA 2 AB 1275	2Es 1458 KCRA 3 CA 1625
1228 WDSU 6 LA 735		16 Es 1345 XEFB 2 NL 1100	Es 1517 KATC 3 LA 725
WKRG 5 AL 700		tr 2220 K56## 56 ?? PTL (Bearing 230°)	1518 KJAC 4 TX 760
KALB 5 LA 645		17 Es 1300 KNOP 2 NE 530	1530 KPRC 2 TX 775
WML 4 LA 735		1317 KTVQ 2 MT 975	1533 KDUH 4 NE 685
1259 WPTV 5 FL 1125		1031 KJTM 38 AR 445 (Station #700!!!)	1559 KMID 2 TX 890
WCPX 6 FL 980		0054 WCOV 20 AL 615	
1329 WJXT 4 FL 865		0104 WKAB 32 AL 615	1959 WTVJ 4 FL 1175
1341 WCSC 5 SC 800		0148 WCYB 5 TN 525	2100 WPBT 2 FL 1175
1359 WRAL 5 NC 725		0200 WDEF 12 TN 475	2202 WCPX 6 FL 980
WUNC 4 NC 700		0212 =WVTM 13 AL 575	2231 KTVQ 2 MT 975
WUND 2 NC 840		0219 WMAZt 13 GA	26 tr 0443 WLOS 13 NC 550
1459 WCIX 6 FL 1175		0259 WBNA 21 KY 300	0514 +WSWP 9 WV 540
WESH 2 FL 950		0303 WTBS 17 GA 575	Es 2043 unid ch 2 Mexico
1615 WSAV 3 GA 785		0335 WREGt 3 TN	28 tr 0504 St. James, MN
1629 WWAY 3 NC 790		0346 WSMV 4 TN 365	32,48,52,54 315
1747 KIVV 5 SD 725		0415 @WTV 9 TN 475	0511 KDLOt 3 SD
1800 KFYR 5 ND 675		0426 @KARK 4 AR 410	(REITMA TP wo/ID)
KPLO 6 SD 510		0436 @TVM 9 GA 635	2025 CBET 9 ON 410
(Closest E skip)		0447 @WTV 9 MS 450	(Over WGN-9)
1815 KOUS 4 MT 925		0450 K33AA 33 IA 100	Detroit, Sarnia,
KYUS 3 MT 860		(Ottumwa w/KFVS-12)	Cleveland UHF's
(Above two //)		(My 6th ch 12 on this)	2104 OKC UHF's 510
KXMA 2 ND 750		0452 @WBIR 10 TN 485	29 tr 0154 unid channel 22
1829 KXGN 5 MT 840		0502 @WDBD 40 MS 575	0311 WPGH 53 PA 555
1851 KTVQ 2 MT 975		0515 KTVE 10 AR 520	0420 WPXI 11 PA 555
1858 KTVM 6 MT 1150		0518 @W3AG 43 KY 305	0518 @WFA 19 PA 600
1943 KOWY 5 WY 950		(Hopkinsville LPTV)	Es 1135 KUTV 2 UT 1105
2021 unid ch 3 CTV		0523 @WVTV 15 MS 495	1200 KIDK 3 ID 1100
		0524 Huntsville ch 19	
		31, 48, 54	
		0558 +WTO 21 AL 575	
		0600 WJSU 40 AL 545	

Note #1 - The channel 45 signed off at 0030, then an ID slide (too fuzzy) and audio from a local FM station.

Note #2 - The unidentified channel 22 was in all night with black and white movies; might be W22AE unsrambled?

No complaints about this DX season so far. Highlights for June include KCRA-3 for state #44 and the first double-hop from Macomb. Caught them at the tail end of a local newscast with a very clear audio ID. Signal was in for only a few minutes, poor video and fair audio. I figure the signal bounced off the Rockies somewhere before heading back up again.

Also a nice tropo opening on the 18th which included WCYB-5 for my first station seen via tropo, Es, and MS. In fact they're the only MS ID'ed here thanks mainly to CBS

Jeff Kadet (continued)

Nightwatch, but this may change with KMOV-4 (ex KMOX) off week-day AM's now as well as WSIL-3's obnoxious test pattern and sometimes WISC-3. KMOV, WISC, and KFVS have dropped Nightwatch recently. There was also some tropo and E skip on the 25th and 26th affected by Hurricane Bonnie.

A slew of new stations have come on the air in recent weeks: WMSN-47, KJTM-38, K45AY, Jonesboro, AR, KIOA-15, K56## with PTL, and WETO-39. To the best of my knowledge the channel 56 NEVER ID's, but I think they are from southeast Kansas or southwest Missouri. K52AY is another LPTV that never ID's. The way things are going the FCC is going to deregulate us right back into the pre-FRC era.

After recently learning that my Zenith N1310 would be incapacitated awhile longer, I ordered a Teknika 6510 to try out. I did not adjust its AGC. Compared to my Y1310, which is a bit less hot than the N1310, the Teknika was about the same on video, but not quite as hot on audio above channel 50. On lower channels, however, there is no comparison; the Zenith blows the Teknika away progressively more as you go down the UHF dial. On selectivity, the Zenith has a slight edge, and it is also better on handling overload. The Teknika's selectivity, however, is truly impressive all in all. It's also darn nice skipping all over the dial without twisting knobs and counting in your head all the time.

Which brings up the ICOM R7000 (with its 99 memories and digital readout). If it's specifications are to be believed, the R7000 should revolutionize TV DX'ing! A video adapter will be available for it shortly. As soon as I can sell my ICOM 745, I plan to get one. 73

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260 (505)-396-3251

MST/MDT

Equipment: Tri-Ex MW-65' Tower - @ 65', 10 element Antennacraft (hor) into Aka: AT-V04 and JVC VT700 with Jerrrold FM de-snow; @ 68', Finco P-7 UHF dist with Eu-4s preamp into Sony 8" b&w or Motorola 19" color; @ 72', Winegard CH-7023 (10 elements, chs 7-13) with Winegard AC-9730 preamp into Motorola 19" color. 35 Foot Tower - @ 35', Winegard CH-4054 with Winegard A-215 1/2 house tube amp into Motorola 19" color; @ 38', CM 4250 6' UHF with Eu-4s preamp into 12" Emerson b&w. 20', 10 element channel 2 with Winegard AC-9260 preamp (channels 2-6); 35', CM-1110 with Winegard AC-9990 preamp on 20' push up on garage roof; Channel 2 and FM vertical on 20' push up; Winegard CH-4054 on 10' mast; 25', 10 element Antennacraft FM (vert) into JVC VT900; 13', Winegard CH-4052 with Winegard AC-9260 preamp (chs 2-6).

April 1986

7 tr 2320	KVCT 19 TX 490	14 tr 0750	WMAU 17 MS 738	10 Es 2355	WSAZt 3 WV
	WNOL 38 LA 830		unids ch 18 east	2356	WAVE 3 KY 104
	KADN 15 LA 700		KVCT 19 TX 490	2358	WTVF 5 TN 96
	WGNO 26 LA 830		(With CCI)	2400	WTTV 4 IN 105
	KORO 28 TX 520		Houston 20,26,39	11 Es 0005	=WTVN 6 OH 121
	WLAE 32 LA 830		KLMG 51 TX 504	0016	WRTV 6 IN 105
	(0 kHz u/KTAB)		KLPA 25 LA 654	0730	WBSB 2 GA 109
2347	KTHT 67 TX 530		(Over KXXV-25)	0800	WCIV 4 SC 135
2350	Houston 20,26,39		WVSBt 27 MS		WCBD 2 SC 135
8 tr 2200	KOCV 36 TX 100		(10 kHz to KDFI)	1815	unids 2-6 east
25 tr 2204	WGNO 26 LA 830		KLAX 31 LA 660		(Went to FM)
	WNOL 38 LA 830	0830	KVHP 29 LA 640	12 Es 0800	WKRn 2 TN 96
	KADN 15 LA 700	0835	WNTZ 48 MS 720		WCIV 4 SC 135
	KAMUT 15 TX		WMAA 29 MS 772		WRCB 3 TN 103
	WLAE 32 LA 830		WAPT 16 MS 772		WSMV 4 TN 96
	(0 kHz u/KTAB)		WDBD 40 MS 772	0830	WYFF 4 SC 120
2233	Houston 20,26,39		KARD 14 LA 662	1505	KGFE 2 ND 105
2330	KMSS 33 LA 560	0845	KLTS 24 LA 560	1505	KGFE 2 ND 105
28 Es 1825	unids 2-4 Mexico	Es 1840	KTVN 2 NV 1008	13 Es 1900	WBBM 2 IL 104
		16 Es 2049	KOTI 2 OR 1170	15 tr 0939	@KPEJ 24 TX 10
		17 Es 0914	KGFE 2 ND 1058	Es 1658	WDIQ 2 AL 100

May 1986

6 tr 0837	WNTZt 48 MS	June 1986
10 Es 0800	unids chs 2-6 e	6 Es 2130
11 Es 0930	WESH 2 FL 1346	9 Es 2119
	WCBD 2 SC 1359	10 tr 0730
	+WMAB 2 MS 828	Es 1800
1056	WQMH 4 OH 1215	
1100	WDIQ 2 AL 1008	
1330	WBRC 6 AL 959	
1529	KADN 15 LA 700	
14 tr 0750	unids ch 18 east	

6 Es 2130	CKND2 2 MB 1184
9 Es 2119	KTVU 2 CA 1116
10 tr 0730	Houston 20,26,39
Es 1800	WBTB 3 NC 1206
	WATE 6 TN 1125
	WCYB 5 VA 1224
	unids ch 7 east
	(0 kHz to KOSA)
2341	WCYB 5 VA 1224

Jim Pizzi (continued)

Note # 1 - KPEJ-24 was first day sign-on - 4572 kW visual - new tower up by KMID-2, maybe 600-800 feet high.

Some good tropo seen on April 7 and April 25 and the best on May 14. E skip kind of sparse with most time spent on FM when MUF got that high. KPEJ, a power house here - snow free all of the time. KOCV, much weaker and fades a lot. Nothing much happening otherwise. Til next time, 73's, Jim

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103

CDT

Equipment: VHF: Broadmoor 9" black & white, Winegard CS-4053; UHF: Teknika 6510 tuner, Winegard CH-9095, Blonder-Tongue CMA-Uc pre-amp; Alliance rotor.

June 1986	15 Es 1841	CFRN 3 AB 870	21 tr 0554	KSIN 27 IA 300
8 Es 1154	unids channel 2 s	1842	unids ch 5 Canada	0556
9 Es 2043	unids ch 2 Mexico	(MUF 100.9 @ 1850 -AB)		K25AA 25 IA 245
10 Es 2043	unids channel 2	1900	CBXT 5 AB 860	0558
	(MUF 107.9 @ 2124 -TX)	1911	CBXAT2t 2 AB	0622
2205	KENS 5 TX 1220	1937	KREM 2 WA 960	0625
11 Es (MUF 107.9 @ 1919 -TX)		2058	KLEW 3(WA) 960	0634
2028	KPHO 5 AZ 1230	(MUF 106.1 @ 2123 -ID)		KUSD 2 SD 265
(MUF 107.9 @ 2041 -AZ)		2204	KBCI 2 ID 960	2059
2227	CFRN 3 AB 870	2234	KIDK 3 ID 804	2205
2256	CKSA 2 AB 730	17 Es 1925	unids channel 2	2213
15 Es 1643	unids ch 3 ABC	19 Es 1958	WMAB 2 MS 1015	2214
	unids ch 2 Mexico	24 tr 0542	KSHB 41 MO 550	
1657	KENW 3 NM 965	0543	KETV 7 NE 385	July 1986
1700	KPRC 2 TX 1195	0545	KPTM 42 NE 400	2 Es 2353
1730	KBTX 3 TX 1120	0548	KMEG 14 IA 300	8 tr 0029
1759	KUTV 2 UT 880	0551	KZKC 62 MO 550	11 Es 1123
1803	unids channel 5	0553	KOLN 10 NE 420	1259
				1300
				unids ch 3 sw

Here in Fargo it was a very dead month for E skip. However, the few really fine days more than made up for rest of the days. I didn't log any new television stations, but I had a lot of fun with FM during those intense openings.

The opening of the 11th was without a doubt one of the finest I have ever seen. Unfortunately I was at work all day and had to forego many hours of DX'ing. I first discovered the opening in the CATV headend at my office before 1000. I checked its progress whenever I could throughout the day and noted that it continued throughout the day and often times overrode locals KXJB-4 and WDAY-6 (not on the CATV - only with the search antenna turned away from the locals). When I got off work at 1800 during the entire 45 minute commute to my home, FM E skip was heard up to 107.9 MHz on the car tuner. I was sure that after so many hours of E skip I would not be able to partake at all, but as luck would have it; the skip, all the way through FM, continued for another two hours after I got home.

The opening of the 15th was also joined in progress and turned into the finest Alberta E skip ever noted here. Again, I found myself drawn to the FM (I watch the TV too!) and managed to move my FM loggings from that province from a total of 0 to a total of 10.

Hopefully, there will be a couple of nice E skip openings still to come in July, but I don't know - one positive ID in the first 11 days must make this the worst July yet for me. I am also anxiously awaiting some tropo. I am really concerned that the buildings constructed around me in the past year are having an adverse affect. The opening on the 24th was nice.



TELEVISION NEWS

Bill Fahber, editor
336 Atlantic Street
Bridgeton, NJ, 08302

APPLICATIONS FOR NEW TELEVISION STATIONS
CH. FREQ. AAT. STAT. / CITY / APPLICANT

26 100 139 HI Milo; Nevilo Broadcasting
10 1 226 HI Lithue; William Gault (not a
Thuman application, that I
know of.)

21 5000 738 HI Duluth; Greater Duluth B'ing.
31 22 1011 OR Klamath Falls; Garcia Commu's
40 5000 534 NV Bluefield; Blue Sky Broadc'g.
40 1110 1992 NV Bluefield; Living Faith Mini-
stries Inc.

64 1000 729 VA Charlottesville; Commonwealth
Broadcast'g Corp. (amended)
64 5000 257 VA Charlottesville; George Wal-
ton Lindsay

15 8.89 951 VI Christiansted; Franklin D.
Graham

15 3300 1163 VI Christiansted; Santa Cruz B'g
15 8.93 943 VI Christiansted; Ma. J. Zinsky
48 5000 1162 MA Worcester; 'vangel Schools
39 5000 1161 NV Paradise; Goldhill Broadc'ng.
39 5000 1519 NV Paradise; Nevada Broadcasting
Group.

39 1445 1172 NV Paradise; Nevada 39 Inc.
39 5000 522 NV Paradise; Puanehana Ltd.
39 5000 1532 NV Paradise; Wynn Communications

APPLICATIONS DISMISSED
CA Aureka; ch. 29; Pacific Television Inc.
FL High Springs; ch. 53; High Springs Tele-
vision Inc. (joint request for settlement
agreement).

FL Inverness; ch. 64; West Florida Television
Ltd. (as per petition by Meredith Corp.).
NV Reno; ch. 11; Silver State Telecasters (at
its own request).

TX Katy; ch. 51; Inter-American Broadcasting
Company (as per petition by Johnson Broad-
casting).

CA Paradise; ch. 46; Garcia Communications.
FL Clermont; ch. 68; Robin C. Brandt; CPL
Ltd.; Olympia Broadcasting Group Ltd.
(joint request for settlement agreement).

FL Marathon; ch. 9; Florida Educational Tele-
vision Inc. (joint request).

ME Lewiston; ch. 35; Channel 35 Lewiston M.L.
Minority Women's TV Coalition.

MI Battle Creek; ch. 43; United States Broad-
casting Corporation (failure to prosecute
application); Polaris Television Ltd. (at
its own request).

MS Holly Springs; ch. 40; Mid South Broad-
casting Inc. (Joint request).

NY Syracuse; ch. 56; New Era Broadcasting
Inc.; Tureaud Broadcasting (joint request).

TX Brady; ch. 13; John R. Powley (joint re-
quest for settlement agreement).

TX Wolfforth; ch. 22; Garcia Communications
(joint request for settlement agreement).

VA Danville; ch. 24; Haughton Television
(failure to prosecute).

MT Butte; ch. 18; Montana Western Corp.
PA Bethlehem; ch. 60; Asiford Communications
Inc.; Haughton Television.

TX McMinnville; ch. 32; Warren County Broad-
casters.

TX El Paso; ch. 38; El Paso County College
District (at its request).

TX El Paso; ch. 65; Liquico Television Ltd.
(at its request).

CONSTRUCTION PERMITS GRANTED
67 100 1000 AL Troy; Shelley Broadcasting Co.
46 5000 1600 CA Paradise; Butte Creek Commu-
nications Company

13 316 1030 TX Brady; Kimbell TV Company
9 186 276 FL Marathon; Marathon Educational
Broadcasting Inc.

22 674 219 TX Wolfforth; Sandy Chandler Min-
istries (summary decision)
18 2525 1898 MT Butte; Community Christian TV
32 1000 1828 TX El Paso; St. Clement's Epis-
copal Parish School, Inc.

CONSTRUCTION PERMITS SCHEDULED
NV Parkersburg; ch. 39

CONSTRUCTION PERMITS REINSTATED
NC Goldsboro; WYLD, ch. 17

CONSTRUCTION PERMIT NOTIFICATION APPLICATIONS
34 156 419 KS Salina; KNCI
46 5000 1948 NC Belmont; WNUH
30 1100 1168 OH Portsmouth; WUXA
8 166 1208 PA Johnstown; WTHX (now WQCP-TV)
28 4466 2129 CA Oroville; KCLO
56 1353 1003 IN Gary; WJAL; chg to education-
al station.

48 64.3 811 PR Ponce; WIE
7 44.1 816 MT Bozeman; KOTZ
16 2630 446 MT Great Falls; MTGF

CONSTRUCTION PERMIT NOTIFICATIONS GRANT
33 42.5 647 NY Utica; WTVU
28 500 438 FL Panama City; WJHG
34 156 419 KS Salina; KNCI
17 2600 1576 NC Goldsboro; WYLD (reinstated)

APPLICATIONS TO CHANGE EXISTING FACILITIES
22 3830 1430 GA Savannah; WJCL (CP)
9 316 1525 OK Oklahoma City; KOTV (CP)
33 42.5 647 NY Utica; WTVU (STA; temporarily
off the air)

FACILITIES CHANGES GRANTED
AR Little Rock; KENS, ch. 2; granted CP to
change from 100 kw to 100 kw max ERP;
1781' AAT/1775' AG/2047' ASL (same TL, but
225' lower).

PA Scranton; WDAU-TV, ch. 22; granted CP to
raise ERP from 1381 kw max to 2945 kw max;
1657' AAT/815' AG/2915' ASL; same TL (97'
higher AAT; 243' higher AG; 217' higher
ASL, whichever you believe).

AZ Phoenix; KTVK, ch. 3; granted CP to change
from 100 kw to 100 kw max ERP; 1670' AAT/
176' AG/2838' ASL (52' lower); same TL.

MO Springfield; KJLB-TV, ch. 27; granted CP
to change ERP from 1580 kw max/646 kw hor
to 5000 kw max; 1688' AAT/1592' AG/3147'
ASL (24' lower than existing); same TL.

LA West Monroe; KATL, ch. 14; granted CP to
raise ERP from 1050 kw max/938 kw nor to
5000 kw max; 1376' AAT/1888' AG/2008' ASL;
(1295' higher ASL); TL 5.5 miles west of

TELEVISION NEWS - page 2

Columbia, 1.5 miles south of hwy 4; co ordi-
nates 32°05'41"/92°10'39"; Az 183°, 28.39
miles from present TL.

CALL LETTER APPLICATIONS: NEW STATIONS
CH C.L. STATE/CITY/APPLICANT
14 KWHE HI Honolulu; KUSC-TV
55 WKKE WI Kenosha; WKRM-TV
32 KPCC CO Pueblo; tvUSA/Pueblo Ltd.
11 KFIN WI Waukegan; KRWY

CALL LETTER APPLICATIONS: CHANGE EXISTING
47 KWHE OK Tulsa a; KTCT

CALL LETTERS GRANTED: NEW STATIONS
27 KWEN CA Coalinga; Western Educational
Coalition
46 KBCP CA Paradise; Butte Creek Commu-
nications Company

63 WPPB-TV FL Boca Raton; Palm Beach County
Educators Broadcasting Inc.
61 WGBZ FL Gainesville; Gator Broadc-
asting Ltd. Partnership

14 KJHL KS Pittsburg; John H. Leland
10 KWNM-TV NM Silver City; KOAT Television
23 KHGE TX San Antonio; Hispanic Commu-
nity TV Inc.

8 WWCP-TV PA Johnstown; WTHX
28 WHBL-TV WI Sheboygan; WMRU-TV

CALL LETTERS GRANTED: CHANGE EXISTING
26 KSHO-TV HI Honolulu; KSHO
4 KMOV MO St. Louis; KMOX-TV
23 WUPC-TV PA Altoona; JOPC (I can see con-
fusion ahead with WWCP-TV in
Johnstown.)

11 KARE MN Minneapolis; WUSA (as of 6/11)
9 WUSA DC Washington; WDMN-TV (as of 7/
4/86)

NEW STATIONS ON THE AIR
IA Ottumwa; KOIA-TV, ch. 15+, went on the
air 6/2/86; 166 kw max ERP; 410' AAT/417'
AG/1157' ASL; TL 3.4 miles SSE of inter-
section of Hwy 63 (Madison Avenue) and
Hwy 34 (Church Street), Keokuk Twp.; co-
ordinates 40°57'50"/92°23'50"; address:
Ottumwa Television Ltd. Partnership, 107
E. Second St., Suite 600, Ottumwa, IA,
52501. No word of network affiliation,
but area lacks decent coverage by any NBC
or CBS affiliate.

LA West Monroe; KNCI-TV, ch. 39+, went on
the air 4/7/86; 560 kw max ERP; 498' AAT/
514' AG/583' ASL; TL 701 Parkwood Drive,
West Monroe; coordinates 32°30'21"/92°08'
54" (same coordinates as KATL-14, but
130' lower with less ERP, so coverage
area should be smaller); address: Caroli-
na Christian Broadcasting Inc., 701-A
Parkwood Drive, West Monroe, LA, 71291.
Independent station.

AR Pine Bluff; KJTT-TV, ch. 38- reportedly
signed on 6/1/86, according to the 6/15
SRDS spot data book. 5000 kw max ERP;
1945' AAT/1880' AG/2219' ASL; TL 2 miles
west of Redfield (where it can reach
Little Rock with a strong signal); coor-
dinates 34°26'31"/92°13'03"; address:
TVX Broadcast Group Inc., 7123 Interstate
30, Suite 54, Little Rock, AR, 72203.
Independent station, operating 6 a.m. to
1:30 a.m. central time.

DE Wilmington; WTGI-TV, ch. 61z, testing on
7/3/86, with programming as of 7/9. 3000
kw max ERP; 957' AAT/949' AG/1024' ASL;
TL to Old Vespers Road, 2.8 miles NNE of
Woodstown, NJ (that is, the southeast side
of Vestry Road, in the middle of a corn-
field; I checked it out the other day;
beautiful new tower with strobe lights
that can be seen as far as fifteen miles
away.); coordinates 39°41'37"/75°17'59"
(18.37 miles from my QTH, making it the
nearest station to me); address: Delaware
Valley Broadcasters, 303 A Street, Wilm-
ington, DE, 19801. Independent station.

VA Roanoke; WFTT-TV, ch. 27, scheduled to
sign on 9/15/86.

FORUM
Richard Clark sends the following informa-
tion on new stations and networks in Puerto
Rico:

CH C.L. CITY	NETWORK	INFORMATION
9 WSRP Ponce	Tele Once	returned 5/86
11 WLII Caguas	Tele Once	returned 5/86
14 WTN Ponce	WPRV-13	new: 6/86
22 WNUX Mayaguez	Tele Once	new: 6/86
48 WIEP Ponce	WRMR-30	new: 2/86
54 WATX Arecibo	WRMR-30	ex-independent

Other information from Richard: KH??, ch. 11
in Ciudad Juarez, Mexico, is a new station on
the air, affiliated with Imevision ch. 13;
KINT, ch. 26 in El Paso, TX, is SIN, not in-
dependent as was earlier reported; KHJJ, ch.
44 in Ciudad Juarez, is now independent, for-
merly Imevision ch. 13. He reports on that
ch. 11 in Ciudad Juarez, "Ch 11 has not put
on any local type ID call and I am not sure
if Broadcasting Yearbook CP and call is cor-
rect since it is almost 20 years old." "Now
to answer your last question about Ch 13 TBN
Nevis St. Kitts is a 24 hours english station
from Santa Ana, Calif (KTBN ch 40)." Also,
HIND, ch. 13 in Santo Domingo, Dominican Re-
public, has been inactive for two years now.

Y SIGUE CON 30

EL MEJOR CINE DEL '86.

Tu canal de película.
Ponce 48 • Mayaguez 16 • Arecibo 54

Ed Frye, now in Los Angeles, CA, sent an
article from the 6/18/86 *Variety*, reporting
that the Corporation for Public Broadcasting
has purchased a transponder on Westar IV,
which it had been leasing. This will save
CPB stations \$2500 each in interconnection
fees to National Public Radio. Ed also men-
tions that the Los Angeles Times has yet to
include KHBS-46 in its TV listings.

While we're in the area, let's drop in on
W.R. McIntosh. From the 6/17 *Los Angeles
Times*, a classic: "This is how low budget the
Mustar Television Network is. One night,
after the new, Tujunga-based satellite broad-
casting system was trying out its signal, a
man called from Holmen, Wis., wanting to know
what would be on next. The night watchman,

was running the studio after hours, asked him what he wanted to see, and the caller suggested 'Rage at Dawn,' a 1955 Western starring Randolph Scott. The guard obligingly rooted around in the cassettes, turned up a copy and popped it into the player. Shoestring budget notwithstanding, Mustar started broadcasting Friday with what it contends is the only 24-hour, nationwide satellite broadcasting system offering diversified programming. Mustar won't likely be confused with the Public Broadcasting System. The current program list includes 'Yuk Yaks Tonight,' 'Classified Lonely Hearts,' 'Date M'ho We Tell You,' 'Hollywood Asylum,' 'Garage Sale for the Rich and Eccentric,' 'This Week in Real Estate' and 'Discover the Martial Arts.' Its program director says Roller Derby may be added too. "Mustar's goal is to persuade the nation's 401 commercial UHF stations and another 141 low-power outlets to carry its shows.... So far, the network has a single affiliate, in Boston." The station "WJTV-TV, channel 166 in Marlborough, MA.

The 6/12 Times reports that WNET, ch. 13 in New York (That's Californese for N-E-W-A-R-K as in Newark, New Jersey. Then again, why not? After all, they took the Statue of Liberty from us.), one of the primary producers of programming for PBS, has up to now devoted half of its budget to national programming, but plans to focus most of its resources on local programming. WBGH-2 in Boston and KGET-28 in Los Angeles are two other large producers of national programming for PBS.

In the 6/15 Times, an article on KS CI-TV, channel 18 in San Bernardino, which carries programs in 14 languages. "KSCI's unorthodox approach to broadcasting—based on a search for unfilled niches, tolerance of a fragmented station identity and readiness to sell air time to the highest bidder—has almost by accident given it a major role in the cultural life of many of the region's immigrant communities. It is the predominant outlet for Asian-language television." "KSCI is a for-profit commercial station owned by the World Plan Executive Council, a Washington-based nonprofit organization founded to promote the teachings of Maharishi Mahesh Yogi, who popularized Maharishi's technique of transcendental meditation, but the guru has no control over the station.... When KSCI first went on the air in 1977, its call letters stood for 'Science of Creative Intelligence'—another name for Maharishi's teachings—and the World Plan Executive Council hoped to use the station primarily to disseminate our educational program...." "But the owners decided to make the station self-supporting, and station management spotted a need for television serving Southern California's large immigrant communities.... The station change the meaning of its call letters to 'Southern California International' and began selling air time to ethnic broadcasters. Videotapes of Maharishi's lectures were relegated to late-night hours."

From the 6/17 Times: an NBC researcher on

Video Cassette Recorders found that they actually benefit network television. Network movies are among the most frequently recorded. 3/4 of all home recording is network TV, with the average VCR owner playing back two to three hours a week of television programs. Daytime game shows and news programs are rarely recorded. Previously, the broadcasting industry had feared that VCR use had actually cut the amount of commercial television viewing.

According to the 6/3 Times, the Supreme Court ruled that municipalities might be in violation of the First Amendment guarantee of the freedom of expression when they grant monopolies to cable television firms. Los Angeles officials will have to justify their practice of granting only one firm to serve a part of the city.

The 6/10 Times also deals with the Supreme Court, which refused to force cable companies to carry all local TV signals on their systems.

Frank Aden has completed his 1986 edition of the Idaho Broadcasting Guide, which sells for \$4.00. It contains AM, FM & TV station listings with addresses, frequencies, powers, networks, formats, schedules, owners and other information. It also includes FM and TV translator information. You can write for it at: Idaho Broadcasting Guide, c/o Frank Aden, Jr., PO Box 2082, Boise, ID, 83701.

Frank also writes, "Interesting news about Cascade's opposition on TRC's approval for

ch. 9 in Caldwell. Seems no one around here knows anything about it, including officials in Caldwell. I also found out neither Cascade or TRC have applied for the proper local business licenses. Another thing is TRC never applied for a use permit from the Forest Service for a transmitter site on Deer Point! This means we are looking at least a year before anything can be done. If they applied now it would be several months before it could be approved & the snow is too deep to start building on Deer Point a good portion of the year. The only new piece of information on KWHF ch. 14 is they have not applied for a use permit on Deer Point either. The people at the Forest Service told me they are very surprised neither ch. 9 or ch. 14 have applied by now. They said KWHF would have probably been approved if they applied for lower power. No answer from Matlock on KWHF or KMGV ch. 20 so I have written to the FCC. From seeing the



lack of progress Matlock has made with all their stations & their ignorant responses to my phone calls I get the impression they do not know what they are doing (or have the finances)." It sounds like you're experiencing the same thing I and others have: once a person receives a construction permit, he or she will say virtually nothing about the station to the press or to the public. And if asked, they treat you like a spy. Your statement that the Forest Service reviews new applications to see if there are any interference problems is interesting. Is this yet another example of local governments taking it upon themselves to usurp the FCC's authority?

"I should explain why Deer Point is so important to TV & FM here. It is the only location in the Boise Mountains that has power available at the right altitude. It would take a million dollar project to install a new power line to one of the other peaks. There has been some talk about constructing a new location in the Owyhee Mountains in a few years (to the SE of Boise) where power is available nearby. When KWHF was turned down by the Forest Service for their original application, Matlock mentioned putting up a tower in the valley near Star. The problem with this is it would be almost impossible to compete with the stations on Deer Point. A good example of this is KLCI FM who tried to get a use permit for Deer Point & was turned down. The station was using a tower a few miles east of Caldwell & just could not get the coverage needed to compete with the FM stations on Deer Point. After unsuccessfully trying again this last spring to get a use permit (the FCC did approve a power increase & new transmitter site) the owners shut the station down. Deer Point is now close to the maximum number of transmitters allowed by the Forest Service so as to keep interference levels acceptable." Again I ask, What business is it of the Forest Service if there is an interference problem? That is solely the responsibility of a commission established some fifty years ago by an act of the Congress of the United States.

"All of the letters to the Chamber of Commerce on LPTV's have turned up negative except Twin Falls. K49AZ will be on the air 7-14-86 as a locally run independent.... Their transmitter will be on Flat Top Butte (same as KMVT ch. 11) & will be running 1kw, they did not know what their HAAT is. K66CE in Lewiston has been on since 1984 & addition to running PTL (WOLI) they also have TBN & INN."

"One of the problems I am running into is the bad information appearing in BROADCASTING. Several changes for this area (especially for FM) have been listed incorrectly such as mixing stations up on call changes.... Another problem is getting bad information from the stations themselves. One local FM station told me they had been approved for higher power & a new frequency plus a use permit for a transmitter site on Deer Point. They insisted this was so even after I told them I saw a FCC release reporting it as denied. I checked with the Forest Service & they told me the station had not even applied for a use permit!"

With that last comment I would like to bring up the issue of source reliability. It seems that even the most reliable sources have glaring errors. And I include the Table of Channel Assignments in the Code of Federal Regulations as published by the U.S. Government Printing Office. It mistakenly included FM channel assignments, TV assignments that simply could not exist (like ch. 55 in New Haven CT and in Riverhead NY). Carrier offsets differ in a few cases with data bases, and the data bases make more sense. Where data bases and Television Factbook/Digest differ, I have to seek a third or fourth source to resolve the problem. Network lists from the Factbook, SRS and Television Almanac often differ. Since many sources appeal to the commercial market, they become sloppy in identifying a station with the largest city in its coverage area instead of its community of license. Newspaper articles are a major source of bad information, since reporters generally don't know what they are talking about, and the public doesn't know the difference. One other problem deals with reports from club members. On occasions a viewer might make a correct observation but come to a wrong conclusion. One member logged a station with a CBS program, and reported that the station was a CBS affiliate. It turned out that the station merely broadcast a program which the local CBS affiliate preempted. Many members used to mistake offset frequencies by lack of knowledge of CCI patterns. Some years ago I raised the statement that 20 kHz CCI normally produces fewer hash lines than 10 kHz, and that 0 kHz can also produce several lines. But up to that time people were reporting wrong offsets. It is because of problems with reports from club members that I like to learn their source of information. It does not mean that I doubt either their honesty or their accuracy.

One totally unimportant issue is whether a station off the air for some years still has a license or not. I know of several stations off the air for some time that still have licenses. I know of others who let them expire or turned them in to the FCC. One issue that was raised dealt with WTHS, ch. 2 in Miami. A few years one member reported that the station operated only during the daytime when school was in session, then shut down for the summer. It wasn't until last month that Glenn Hauser reported that the station is off permanently. Glenn now writes, "I just talked to some people at WPBT, the fulltime licensee of ch 2 in Miami, who told me it's been that way since January 1983. The former WTHS shareholder became WLRN, which is now fulltime on ch 17. Thus it seems highly unlikely they also still hold any license for ch 2. I'm not getting any answer on their toll-free lines this afternoon to research their version, and don't want to devote a lot of time or expense to long-distancing them, since in all probability they will tell me the same thing. Perhaps you will want to contact them yourself if there is any remaining doubt that there is any such thing, any more."

New FM Station, Translator Grants

AK Scammon Bay (NW Bethel, on ocean)
K220B0 *91.9; translator new station to
AZ Cottonwood K237CF 95.3 (K1HX 106.3 be
Prescott Valley) on 86.1 in Che-
CA Desert Hot Springs K215BA *90.9, weak AK
(KCRW 89.9 Santa Monica)
CO Durango K208B6 *89.5 (KSUT
91.3 Ignacio)
CO Garfield (w. of Salida) K228CF 93.5
(KVLIE 102.8 Gunnison)
HI Haleiwa K204B8 *88.7 (KHPR 88.1
Honolulu)
ID Pocatello K249CM 97.7 (KLCE
97.3 Blackfoot)
MN Clara City K224-92.7
(KCGN 101.5 Oronville)
NY Utica W220AF *91.9 (WVRO 89.9
Oswego; FCC said it will be on 97.7;
but calls they gave are for 91.9,
so I assume 91.9 is correct)
ND Devils Lake K218AV *91.5 (KFJM-FM
89.3 Grand Forks)
OH Cincinnati *90.1 5700
horizontal; 5000 vertical; 385' g, g,
Family Stations
OR Bend K21CQ 92.1 (KXIQ 94.1 Bend)
OR Eugene K272CL 102.3 (KZAM-FM 95.3
Creswell)
PA Forty Fort W261BX *100.1 (WRGN 88.1
Sweet Valley PA; is WRGN stereo?)
SD Green Grass (N. Eagle Butte) K213AV
*90.5 (KILI 90.1 Porcupine)
SD Whitehorse (NE Green Grass) K220B0 *91.9
(KILI)
WA Ellensburg K292DQ 106.3 (KXDD
104.1 Yakima)
WY Jackson K285CY *104.9
(KRIC 100.5 Rexburg ID)
WY Lander K205AU *88.5 (KUWR *91.9
Laramie)
ON Toronto *90.3 \$, c 3500 h.v;
CBC-French

Call Letters Changed or Granted

AL Russellville 87.7 WZMX
KFPW-FM; AM is in Ventura CAI)
AR Fort Smith 100.9 KB80-FM (KFPW-FM);
AM is in
Ventura CAI
CA Roseville 93.5 KJQJ (KPOPI); still r
FL Daytona Beach 101.9 WORZ (WCFI); Z-102
FL Marathon 87.7 WFFF ["95-INZ"]
FL Miami Beach 94.9 WINZ-FM (WSSST);
FL Perry 105.5 WNFK (WPCF)
FL Tampa 106.7 WUSA-FM (WJQI), "W-101"
IA Ottumwa 97.7 KOTM-FM (KLEE-FM)
LA Abbeville 104.9 KROF-FM (KASC)
ME Portland 97.9 WWTG (WJBO)
CA Charleston 105.9 WKHO-FM (WKHQ-FM)
MO Gordonville 99.3 KCGG (KJAO)
NV Reno 101.7 KSSY (K-Sexy?)
MO Montgomery City 103.9 KDCM (KVCM)
NJ Camden *106.9 WKDN (WKDN-FM)
NY Hempstead 88.3 WMMG (WKJY)
ND Rugby 95.3 KZJZ-FM
OK Alva 94.3 KTTL (KTIJ)
OK Oklahoma City 104.1 KMGL (KOMJ);
affects one translator
FA Bellefonte 95.3 WWZW
PA Greensburg 107.1 WPNT (WOKU)
TX Bastrop 107.1 KLIO-FM (KELG-FM)
UT Provo 94.9 KBNG (KLZR) (Fisher WV)
WV Petersburg 107.1 WELD-FM (AM is in/
ON London 103.1 CIQM, m[-o-r] music
ON St. Catharines 97.7 CHTZ (CJQR), r, *97.
Hits FM" (very strict; our reporter never heard
calls mentioned in a long period of listening)

Deletion

TX Denison KACU *89.7 (not on FCC list a
more and confirmed by phone as off the air,
most likely for good)

OFF THE AIR

IA Boone KWBG-FM 88.3, but station being
sold-to be r, with new call letters
Stereo, or to be Stereo (\$)

AZ Phoenix KFLR-FM *90.3
AR Little Rock KUAR *89.1
FL Bradenton WJIS *88.1, "Joy-88"
FL Mary Esther WYBZ 105.5
FL Tampa WBVM *90.5, gospel music,
preaching
GA Carrollton WWGC *90.7, "They have been
mono for a long time, since at least
1982 playing heavy, heavy metal"
IN Carmel WHJE *91.3 "Students helped raise
money and finally new equipment was
purchased-on 24 hours as usual"
IN Connorsville WCNB 100.3 "I'm sure I told
you they were in 2 years ago"
IA Mason City KNIQ 93.5 r, also see "SCA"
MI Port Huron WNFA *88.3 g, signing off 1658
EST
NY Cobleskill WITU 103.5
TX Weatherford KADE *89.5, "Very good signal
and clear sound for 370 watts!"
BC Kamloops CHRK 97.5, "They have a very
STRONG signal as they come from a very small
antenna on a high hill. that's an odd
town as it's about 16 km long and 1 km wide,
all in a valley of two rivers. The hills
are like huge dunes and the towers are
on one of them, SW of the city centre. The
stations BOO M in better than any I've heard
anywhere. Cable FM is also big there-we heard
CHQM-FM Vancouver in a store and the lady
said 'Oh, yes, they're on cable and everybody
listens to them!'"

NOT IN STEREO-DELETE \$ LISTING

IA Des Moines KDMI 97.3
FMistakes-10th ed. "FM Atlas"
AL Dothan p. 91, 95.5 is WTVY-FM (not WBY)
AK Kenai p. 91, KGTI 100.9 (not 100.5)
AK Mt. Point p. 91, KRBT (not KRBT)
AK Nome KICY-FM p. 91, 100.3 (not 100.9)
CA Part I, translators of KCHO Chico 91.7 (not
91.1); affects Chester 88.3, Marysville
91.9, Quincy 90.5, Red Bluff 91.5 and
Redding 90.7. KCHO now c) (not cr). The
translators in Marysville and Red Bluff
said to be going off the air due to KCHO's
rise to power, but I'll wait to hear if they
actually go off before considering them
deleted.

CO Denver KCFR *90.1 missing p. 130, is \$, 910'
50000 v; P
CO Eagle p. 66, 102.3 KVEET (not KREX)
CO Greeley KGBS 98.1, p. 142, dual city ID
with Fort Collins, not Fort Collins
FL Harbor Beach p. 97, WWTM delete listing
(is in Michigan)
GA Cumming p. 132 misspelled, WWEV *91.5
GA p. 31, top of map claims NC on p. 26-27,
when it's actually 28-29
GA Tifton p. 149 WSGY is 100.5, not 100.05'
("I'd love to see the coverage map for
that one")-primary coverage at 100 kw
would be about 75 mi., if I could extend
the curves off the FCC chart, ed.)
MN Benson p. 105, KSCR town missing
MN Rushford p. 48 delete KLSF *91.7 (has
permit to move to Rochester MN)
MS Jackson WJSU *88.5 p. 106, not JSJU

Bruce F. Elving, Ph.D.
241 Anderson Road
Eska MN 55733-9413

NV p. 68 KILA translators in Alamo,
Caliente and Hiko add * symbol
NM Farmington p. 65, 103.1 KTDB add *
NY Albany WGNB 107.1 slogan listed
twice, p. 162
NY Brockport p. 109, WBKT *93.3 (not 93.5)
NY Ithaca p. 18, WORW 107.7
(not 107.1)
NY Oswego p. 129, 89.9 WRVO (not WVRO)
NC Sanford p. 131 (not Samford), WDCC *90.5
NC Wilson WRDU 106.1 p. 159 list as WILSON-
Raleigh-Durham, not WILMINGTON-etc.
OH Cleveland WCRF 103.3 p. 41 add *
OH Huntington name missing from p. 112, WZZT
PA Johnston p. 155 *103.5 WKVR (not
WVKR)
SD Mission KGGGt p. 115 shows 98.3; p. 52
shows 92.1; is 98.3.
SD Sioux Falls p. 115 KCFB 100.1 remove *
TN Germantown WEZL 94.3 missing from p. 138,
is \$, 300'; 3000 v, I
TX Denton 106.1 KTKS not on p. 61 map
TX Plainview p. 131, *90.7 KTDI (not KOTD)
VA Chesapeake WFOS *90.3 missing from p.
130, is \$, 145', 1500 v
VA Mechanicsville WZZR 92.7 p. 119, remove
\$ symbol (not sure if \$ or not)
WV Bluefield p. 156 misspelled, WHAJ 104.5
WV Elkins WDCM missing from 90.3, p. 130,
is minus 345 feet, 1000 v
WV Parkersburg p. 130 WVPB *90.3 missing,
is \$, 320', 9000 v
WI Green Bay WGBB p. 130 town not Bay
WY translators of KLGt 92.7 Buffalo in
Gillette, Sheridan shown as being of KLGM
AT Calgary, Edmonton p. 122 CKD stations
are [news] not m [29 mi. coverage
BC Invermere p. 123, CFWL-1 107.1 missing/
MB Winnipeg p. 123, 99.1 CKO-FM7 is n, not m
NB Campbellton p. 131 CBASE 90.5 missing,
is 730' 6700 v (DA) [123
NB Saint John CKO-FM10 is n, not m, p./
NS Halifax p. 144 CKDU 97.5 add *
ON Kitchener p. 147 CKWR 98.7 add *
ON Muskoka Dam CFMD 105.1 not on p. 86
map (N. Weagamow; E. Sandy Lake)
ON Red Lake p. 124 CKRE missing, 5 mi.
ON Windsor CBE-FM missing p. 130, 89.9,
CBC Stereo, \$, 538', 100000 v
PQ Dolbeau p. 88 CBJ-3 frequency missing,
93.1 [missing
PQ Kuujuaq p. 81, 90.1 CKUJ calls/
PQ Kuujuaq p. 81 remove CKUJ calls
PQ Povungnituk p. 81 is in small type p.
81; in large type p. 89; call it large
type-at 29 watts, it could be either!
NW Spence Bay p. 128 CBIG calls missing

Formats

Networks are no longer being reported, as my
decision to drop them is effective as of now. I
have left the keychain system and am tempo-
rarily without full computer capability. I am
working to make my home machine do all it's
supposed to do, and expect by next month to
announce further changes, such as in the SCA
categories. In my next "FM Atlas" I plan to
explain why I've decided to drop network
listings, but the reasons are basically the same
as what I explained in this column several
months ago [IA Ames KEZT 104.1 = for 3rd
AL Tuscaloosa WFFX 95.7 (not p) I'mel
CA Glendale KUTE 101.9 now sj
("predominantly fusion/jazz 3 p.m.
to midnight"), now ID with Los
Angeles and "Cute 102" nonID
CA Porterville K100 99.7 m, no Spanish, no rock
FL Titusville WSCF 98.3 (middle of road) music
GA Ellijay WLJA-FM 93.3 kw, signs off 10 p. m.;

FCC-FM

too weak to tell if \$, end no telephone
listing available IA Perry KDLS-FM 104.9 r
IN Salem WSLM-FM 98.9 is [ospel], not k
MA Chatham 107.5 to be c-expected on spring
'87
MS Gulfport WZKX 107.1 r [ock]
MT Forsyth KIKC 101.3 k, "Kick-Country"
NY Rochester WZKC 98.9 r (oldies),
"Classic hits 98.9"
ND Oakes KDDR-FM 92.3 r and small-town
news, monophonic
PA Elensburg WYQ 98.1 r [ock]
PA Philadelphia WMPK 102.9 rs (rock and
soul), no nonID, uses calls with "Magic"
TN Saddy Daisy WNOO 102.3 s (not m)
TX Abilene KACU *89.7 mc (soft adult
contemporary days; classical nights,
some jazz)
TX Houston KUHF *88.7 (c days and
evenings); j 10 p. m. to 5 a. m.
UT Kanab KCKK 101.1 k [country]
VA Cape Charles WWHG 98.1 to be r, "Wave-
96," dual city ID with Virginia Beach,
expects to change call letters to WIAV
WA Cheney KEYF-FM 101.1 m,
"Gourmet-101," ID with Spokane
ON Windsor CKLW-FM 93.9 r, slogan (not a
nonID), "CKLW Motor City"
ON AIR AND DX READY (SELECTED)
VA Winchester WTRM *91.3 (although FCC
news release said 95.3, but earlier data had
it as 91.3) 1350 h, 445 v, 500' g, Stereo?

Multi-City Identifications

IL Jacksonville WYMG 100.5 adds Springfield
"Magic 100" (not strict)
IN Anderson WLNH 97.9 is with Indianapolis
at times, with Muncie at times, or at
times just Anderson, "Lite-98"
IN Vevey WKID 95.9 adds Carrollton KY, "96-
Country" (strict)
IA Waterloo KNWS-FM *101.9 adds Cedar Falls-
Cedar Rapids. KFMW 107.9 very weak and
is [Waterloo IA
obviously not at 1800 feet any more /
MA Nantucket WXYJ 96.3 includes "Cape Cod,"
but I will not list that, as I only show
cities in multi-city IDs, not counties,
regions, townships, etc. [Petoskey
MI Gaylord WKPK 106.7 adds Traverse City-/
MI Otego WQXE 106.9 adds Kalamazoo
MI Petoskey WMBN 96.3 adds Traverse City
MO Liberty KCCI 106.5 adds Kansas City (not
North Kansas City), "K-Lite 106.5 FM"
(strict)
NJ Trenton WKXW 101.5 only as Trenton now
NY Dundee WFLR-FM 95.9 adds Penn Yan-
Watkins Glenn [many cities
PA Williamsport WKSB 102.7 rotates among/
SC Manning WHLZ 92.5 adds Sumter-Florence
(k), "Wheels"
SC Sumter WDOM 101.3 adds Columbia
TX Robstown KLUX *89.5 adds Corpus Christi,
g, some Spanish
VA Colonial Beach WGRQ 95.9 adds
Fredericksburg-Lexington Park MD, is
r, \$, Q-96 (not strict)
NonIDs, Excluding Slogans Given
with Calls

From now on, only report slogans you hear
frequently used each hour on a station, and
only slogans you hear spoken or sung without
call letters; report only the most often heard
slogans which are brief and take little space to
print. Thus, "Electric 106," for WTRK Phila-
delphia, does not count, as it is always (or
almost always) given along with call letters.
This column will, therefore, be devoted to
nonIDs and not slogans. You can call a station a
"strict" nonID if it appears to give only its
nonID during the hour (and call letters only on
the top of the hour or close to the top of the
hour); and a non-strict user of a slogan if call

letters are spoken or sung more
often than once per hour on a station. If call
letters used every break, then the slogan for
that station will not be listed. Feel free to write
in and we'll clean house on stations that are
listed as having nonIDs when in fact they are
CO Denver KPKE 95.7 Denver's Peak (not nonID)
FL Boca Raton WKOS 99.9 Kiss-FM, still k
GA Athens WAGQ 104.7 Q-105 (The Q rarely
used)
GA Eastman WUFF-FM 92.1 Wool 92-FM
-heard in mono, but not sure if \$ abandoned,
or if station was just following correct
practice of shutting off \$ generator for mono
program [Classic Rock-105, \$
IN Bedford-Bloomington WQRK 105.5/
IN Monticello WKJM 95.3 Magic-95-FM (strict)
KY Paducah WDDJ 96.9 97-FM (strict)
LA Lafayette KSMB 84.5 Hot Radio 94 1/2
MD Westminster WGRX 100.7 100-GRX
MA Lowell WSSH 99.5 Boston's Wishes, m
MN East Grand Forks KZLT 104.3
K-Light 104, lite r
MN Fergus Falls KBFR-FM 103.3 B-103
MN Minneapolis WLTE 102.9 no nonID,
"the new WLTE" still m
MO Columbia KARO 101.7 K-102 (strict);
omitted from VUD, p. 24, July '86
MO Kansas City KPRS 103.3 K-103
MO Lebanon KIRK 103.7 K-Jel,
simulcasting with AM
MO St. Joseph KSFT 105.1 Stereo
Court- 105 (not strict)
NY Kingston WBPM 94.3 FM 94.3
NY Poughkeepsie WPDH 101.5 PDH
NY Rensselaer W8BK-FM 103.9 QBK-FM
NY Sag Harbor WLCG-FM 92.1 "Has
never been Power 92"
NC Raleigh WYLT 96.1 W-Lite
ND Bismarck KBYZ 96.5 Z-96, \$, r
ND Devils Lake KDVL 102.5 K-Devil-FM
ND Grand Forks KJKJ 107.5 m, KJ-108
OH Otaawa WQTL 106.3 QT-106
PA New Kensington WXPX 100.7
Double X, still r, some rp
PA Philadelphia WCAU-FM 98.1 98-CAU-FM
WIOQ 102.1 no nonID
WTRK 106.1 no nonID ("Electric-
106" always said with call letters)
TX Amarillo KMLL 98.7 KML
TX Edinburg KVLV 107.9 K-Valley; b
TX San Antonio KITY 82.9 no nonID
(says "Power 93 KITY")
WY Gillette KOLL 96.9 Coal-97
KWGY 100.7 Y-100 (strict)

Facilities Changes Granted

AK Homer K280CJ 103.9 (from K272AT
102.3) [(3000 h.v)
AZ Wickenburg KUUK-FM 105.5 -265/
AR Blytheville KHLS 96.3 (station says
"KHLS going to 96.3 is on hold")
change map wording to say "from 96.1"
CA Barstow K221CR *92.1 (from K228CO 93.5)
GA Waynesboro WYFA 100.9 1900 h.v; 410'
IA Osceola KOEL-FM 92.3 1000' (100000 h.v)
ME Rockland WCMC 93.5 560 h.v; 610'
MN Moose Lake K220BP *91.9 (from
K203AN 88.5) [103.1
NV Ely K249CL *97.7 (from K276CG/
NH Exeter WERN 107.1 2500 h.v (350')
NH Keene WKNE-FM 103.7 24500 h.v; 690'
NY Carthage WTDJ 103.1 535 h.v; 620'
NY Cazenovia WITC *88.9 (from 90.9)
130 h.v; 205' [(4000 h.v)
NY Watertown WJNY *90.9 450/
NC Charlotte WSCF-FM 103.7 1060'
NC Statesville WFMX 105.7 1550' (100 kw)
ND New Town (from Four Bears) KMHA *91.3
OH Medina WDBN 94.9 16200 h.v; 880',
reduces coverage to that of a normal
class B, losing its grandfathered super-
coverage status
OK Marlow KFXX 92.1 1700 h.v; 330'
TN Monterey WRJT 107.1 1250 h.v; 485'

TX Groves KTFB 92.1 310' (3000 h.v) Aug.
VA Altavista WKDE-FM 105.5 '86
330' (3000 h.v)
VA Marion WMEV-FM 93.9 adds v,
100000 h.v; 1460', directional
WA Bremerton KHIT 106.9 820' (100000 h.v);
reduces coverage, locates tower in
Seattle to end rim-shottiness there
WV Elkins WVHT 99.3 330' (3000 h.v)
WV Morgantown WVUU *91.7 2400 h.v;
69', directional
WI Land O' Lakes W292CG 106.3 (from
W288AE 105.5) [h.v)
WY Casper KTKL 106.9 1835' (100000/
SCA) Action, 67 and 92 kHz

CO Greeley KUNC *91.5 no SCA (talking book
for blind suspended because of funds)
GA Columbus WNKs 102.9 music resumed after
6 month hiatus, not Muzak
GA Waycross WXVS *90.1 talking book for blind,
67 kHz, classical main channel (same SCA as
on WDCO-FM *89.7 Cochran-Macon and
WISD-FM *88.1 Warm Springs-Columbus)
IA Des Moines KGGG 94.9 92 kHz open carrier
IA Mason City KNIQ 93.5 67 kHz data (telemetry)
IA Waterloo KOKZ 105.7 67 kHz TX (data)
KS Lawrence KLZR 105.9 92 kHz Multicom
data
KS Leavenworth KZZC 98.9 no SCA (open carrier
only); ID on main carrier with Kansas City
LA Baton Rouge WRKF *83.3 confirmed Muzak
67 kHz; Multicom 92 kHz
LA Shreveport KVKI 96.5 no SCA (had music)
MI Traverse City WTCM-FM 103.5 no SCA (had
NBC news relay)
MO Harrisonville-Kansas City (dual city
ID) KCFX 100.7, "The Fox" (not strict),
no SCA (had data)
MO Kansas City KBKC 94.9, B-95, has 92 kHz
paging (drops carrier), music continues on
67 kHz. Main carrier is rock and soul music
NJ Blarstown WFMV 106.3 67 kHz data
NJ Newark WNNK 105.9 92 kHz Greek
(67 kHz is Italian)
NJ Trenton WPAT-FM 93.1 67 kHz data
NJ Zarephath WAWZ *99.1 no SCA (had music)
NY Albany WDOM 100.9 TX 67 kHz
telemetry, "FM-101"
NY Lake Success New York WAPP 103.5
no SCA on 67 or 92 (had data, 67 kHz)
NY New York WYNY 97.1 has 92 kHz Chinese
music (a music only service going into
to Chinese restaurants, TE[ethnic]); 67 kHz
retains background music
WBAI *99.5 talk on 67 and 92 kHz
WNCN 104.3 Multicom das 92 kHz (other
data on 67 kHz)
WNSR 105.1 TX on 92 kHz (and 67)
NY Port Jervis WTSX 96.7 has AM station
WDLG on 92 kHz for cable companies'
reception (TS still on 67 kHz)
NY Poughkeepsie WSPK 104.7 talk (not
data), 67 kHz [not Muzak)
NC Asheville WKSF 99.9 music, 67 kHz/
RI Providence WFNH 95.5 talking book for
the blind (not music), 67 kHz
SC Greenville WESC-FM 92.5 rock SCA
(Muzak Foreground I: "I was surprised
to find this on 67 kHz, expecting instead
for it to be at 92 kHz on WFBC-FM 93.7,
which has regular Muzak on its 67 kHz
subcarrier")
TX Dallas KQZY 105.3 music, 67 kHz

Readers' Reports and FM News

Waldo Bishop comments about what Charles
Hubbell, Kenmore NY wrote: Wonder what he
thinks about a variety of stations in "day after
day", ranging from St. Petersburg, Sarasota, to
Clearwater and Crystal River. Waldo does report
that WMEZ 94.1 Pensacola seems to be on low
power now. And FL State expects to get a c-p soon
for WVFS-FM, "V-89," to have album rock. More
details when I find out more.

Nick Lombardi says WFOV 97.1 Gainesville GA now at full power and height (1890'). Chief engineer "says they have noticed a slight falloff in signal level in some of the outlying areas, and attribute it to the extremely dry weather... (area lakes are half full, ground doesn't contain the usual amount of moisture, etc.)." About the Atlas: "I think the maps would look better (i.e., less cluttered) if you would make what you did on p. 66 (CO) standard. There is really no reason to have to remind the reader every single page that FM stations occupy the spectrum between 88-108 MHz, and then go through a long-winded dissertation on what each class is. Simply explaining them ONCE somewhere in the book would be enough!"

Coming on the air June 27 was CHTZ 97.7 St. Catharines ON.

We Are -FM Radio

Paul L. Gaines sent an article mentioning that Detroit Joe Krause co-authored a primer on radio behind the scenes (along with Michael Keith), "The Radio Station" (Focal Press, 272 pp., \$19.95 softcover). I've tried to get the "FM Atlas" mentioned in my local paper, but the entertainment editor will not do so, as he thinks the book is too specialized for his market, despite the fact that I pointed out to him 75% of cars have FM radio and people are doing more driving than before (lower gas prices, fear of terrorism keeping many in the U.S.A.).

Maryland's Norval Pagenhardt sent a reel-to-reel tape of several Philadelphia and Raleigh stations he heard on tropo, and a letter from a DX listener in Chile, whose English is rather bad and it is hard to make out what he's trying to say. It seems he receives, or tries to receive, PR stations, such as WORO 92.5 Corozal, and FL WRIT 92.7 Stuart. [If you send tapes and what 'em returned, enclose return postage, although I will take your word for a station format and do not require having to listen to it!]

Richard Clark, in DR, reports getting SCAudio from an outboard adapter, the Capri CD-01, connected to his FM tuner and NR-D505 longwave receiver. I know others have gotten SCA by connecting an FM tuner or detector output into a longwave receiver, tuning carefully in the 67 through 92 kHz range.

Paul Swearingen, who DXes many bands, sent a copy of an article he's written for MONITORING TIMES. He quotes from the introductory material in the 10th ed. "FM Atlas," and says in part: "Dr. Elving and others have been hammering away at AM radio's shortcomings since FM started as an underdog, an afterthought to the well-established AM broadcasting industry. But the differences between the two media are really slight, and it's high time that we recognized them... many AM stations are engineered to sound better than quite a few FM stations. It's simply not true that ALL FM stations sound better than ALL AM stations... AM radio is in a state of transition. But it's a healthy transition... Another signal that the AM band will continue to remain healthy, after the current transition phase, is the planned expansion of the AM band from the top end of 1605 kHz to 1705 kHz... Aside from offering unique DX opportunities as they come on the air, the new stations would provide better local/regional service to minorities, noncommercial services and daytime stations." He goes on to describe when AM is superior to FM, such as driving and listening to KFI 640 Los Angeles, WWL 870 New Orleans, WBBM 780 Chicago, WBZ 1030 Boston and WRVA 1140 Richmond in much or the country. He also describes AM stereo and how it sounds good on the Sony SRF-A100. It's an interesting article, complete with FM Atlas plug, although giving the wrong price for the book (it is \$9.50 with shipping). The article makes the common fallacy that AM is personified by the 50-kw clear channel stations, whereas the majority of AMs are Class III and IV local stations and daytimers. Not mentioned are directional antenna operations, presunrise powers of only a few watts in many instances, etc., all of which militate against AM providing a consistent service to all of America's population and land area. And if there were a demand for AM stereo, I believe I would have sold my Sony SRF-A100 through the club, where I had it advertised. I have had two of those radios, and had a hard time discerning any stereo separation using the radio's speakers. I sold the latest one I had at the blind convention in Kansas City for \$85.

August, 1986
Paul's article is entitled "Making Waves." An even more extreme article than what I wrote in the VUD appears in the current "Radio World," which goes out to all U.S. radio stations (mainly to engineers). It is entitled: "AM Improvement Lost Cause," of which I received an advance copy (July 1, 1986 issue), with the editor saying: "I ran your recent submission as a guest editorial (pages 5 and 6). I hope we hear a lot of responses, pro/con/whatever. I find your activities fascinating." Included were my name, address and telephone number, so it will be interesting to see what happens. I commend RW on having the courage to print the article. Among the things I say are: "Our interest in nostalgia notwithstanding, Americans will not go back to AM. FM, which languished for decades in AM's shadow, is destined to take its rightful place as the only purveyor of radio broadcast communications worldwide (save perhaps for international shortwave broadcasting). Thinking that 'it does not matter whether it is AM or FM, the important thing is that it is Radio,' is a fallacy that has been embraced not just by radio management and by the regulators, but unfortunately by the engineering community." If you want a photocopy send 50 cents in cash or mint stamps (yes, Virginia, you can go to the post office and buy a 50 cent stamp!) to me.

The proposal I state for saving what was "once known as AM radio" is to have AM broadcasters cooperate with nearby FM or TV stations and use subcarrier for their programming (FM at 67 or 92 kHz; TV at 78.67 or 102.271 kHz). I outline how I have had a prophetic view of FM's ultimate dominance for some 30 years. Included also is a plug for the club, giving prices for sample copies of the VUD and a year's membership. I have also written an article for a new QST publication on FM subcarrier reception.

In other publication news, "Religious Broadcasting" mentions that WPIT-FM 101.5 Pittsburgh now at or near 50 kw, and they had a "50,000-watt Week" in May. Grand prize was 50 music cassettes, as awarded over the air. Canada's "Broadcast Technology" magazine says FM listening is now 45%, up from 40% in 1984 and 16% in 1977, with 60% of Canadians listening to some FM each week. But Pete Nolan's "M Street Journal" says FM growth in the United States is down somewhat—from a high of 71.8% in the last survey to 71.3%, Spring, 1986. "It is the first time since RADAR surveys began in 1972 that FM failed to register an increase in listenership." Pete's paper also notes the educational FM-Channel 6 TV controversy, in which the CPB and other public radio groups tried to get the FCC to put a freeze on new channel 6 TV allocations and applications, which the FCC turned down. "The issue could potentially be complicated further by the proliferation of new, low-power television stations on channel 6."

From Vancouver, David Sinclair sent an article about a proposal for a non-profit FM station devoted to the arts, no frequency mentioned, and an item from Victoria about a proposal to bring CBC stereo to that city. It would also include a studio. Article said only "fringe" reception is possible there from CBV-FM Vancouver.

I heard from WWIB 103.7 Ladysmith WI, and they say the Ashland WI 100.9 translator is temporarily off the air. "It may be relocated at Washburn, across the bay, and it will be at the same frequency. We are not presently using our SCA. We were testing for that paging company, and it did not work out. We would like to make use of our SCA, but nothing in the works for the present." They are working on a new Class C station in Rhinelander, "but with the tower between Rhinelander and Wausau. We are now looking for a 900' to 1,000' tower. If you know of a used one, please let us know." I think the station they are trying to get is WZTT 97.5, a c-p which has never come on the air. In Omaha, it appears that KGBI has changed its SCA; station claims to be still on 67 kHz, but data no longer print out commodity information as before.

W. R. McIntosh sent an article, almost with humor, about KHS



The county beaches... will they become KHS territory?

DAN SWARTMAN

FCC-FM

102.7 Los Angeles trying to get an exclusive at the area beaches for doing promotions and concerts. This has caused stations like KPWR 105.9 to be concerned, and they don't want the county to grant an exclusive to any radio station. Mc said, "At first I thought this was a 'put on', but then I noticed the paper was not dated April 1st."

Eric Fader says "Yes, WEZN 99.9 CT should be listed in the NY area map (see June VUD)." He gives some dB figures for his Queens location, which put WEZN above such stations as WEBE 107.9, WZFM 107.1, WDHA 105.5, WFAS-FM 103.9, and WLIR. He said WLKY 95.9 at 40 db, should also be included.

Nonmember Don Voegelé sent an article on how Australia is trying to clear the entire FM band of TV stations—a mistake going back to the 1950s. Article said Australia is the only country having TV in the 88-108 MHz FM band, but consulting my WRTVH I found such countries as Japan, and much of eastern Europe having that situation. WIN-4 in Illawarra seems to be the only Australian broadcaster thus affected, and the government is looking for its ultimately reposing on Australian channels 6, 8 or 11.

After being at the National Federation of the Blind convention in Kansas City as an exhibitor (where our sales of SCA radios were very successful; I am now sold out, save for some clock radios), I can empathize with the following from E. R. Siroy: "Your print size in VHF-UHF Digest is smaller than some fische I have seen!" If the printing is as good this month as last, I am sure you will find the VUD easier on the eyes. Steve Russell, who ordered an "FM Atlas," says "I am also a member of WTFDA and enjoy your column very much." Mark Geyman is also in the club and has a Channel Shack 10-element FM yagi antenna, and considering getting a Channel Master Stereo Probe 9. I'd think either would be excellent to DX with, especially with a rotator and the time to give to the hobby, as I have not had this year. Fred McCormack: "I am busy transferring my loggings to the tenth edition of your FM Atlas. It sure is a fine piece of work. I really appreciate that you have finally brought back Canada, although Quebec, etc. map is really wild!"

John Jefferson has some Canada mysteries. He said Allardville NB, CBC, is listed on 97.9 (?), while Penticton BC (CBTP?) is on 88.9. He confirms that KSUE-FM Susanville is on 93.3, having moved from 92.7. KWSP 106.3 Santa Margarita expects to be on by now; "their format is currently a secret. KIBC 90.5 Burney is now aiming for 8-1, with some testing possible" in July. KTSC Pueblo still on 89.5, as of July 5. John reported on many translators, with K207AJ Palo Colorado being on a hill and having its tower downed by mudslides, while K265CF Graeagle (paralleling KNXN 101.9 Quincy) is viable. Driving to Nevada City, John tuned in K257CJ Davis on 99.3, "confirming that it carries KXPR 90.9 Sacramento. Terrible coverage: KJAX Stockton was strong a mile outside of Davis and simply swamped the translator." And he wonders what K3AN-3 Danville is—just an arm of K3AN-1 Pleasanton? My data show it as a separate call sign, and a separate station from K3AN-1, ed.

"I noticed the mention in the latest VUD by someone of the 92.1's in both Tulsa and Houston picking up the classical formats dropped by the Class C stations," writes Pete Nolan. "That's not really a fair assessment for Houston—Seabrook is a lot farther from Houston than Broken Arrow is from Tulsa, and KUHF doubtless has a lot more listeners (and a much better signal) than KLEF-92.1. Incidentally, it could be a lot worse for fine arts lovers—in Phoenix, where KONC 101.5 dropped its fine arts format, it was (as with KUHF) partially picked up by a noncommercial jazz station, KJZZ 91.5, and just this week the KCON call letters were applied for by the new owners of the 1230 in Phoenix—a 1 kw, Class IV AM station. If there's anything worse than relegating fine arts to a Class A station only a few people can hear, it'd be on an AM station where even the few people who CAN hear it have to put up with co-channel interference and dubious fidelity. My sympathies to Phoenix."

"While on Phoenix, as part of its plan to take the market by storm. KIKO-FM (applying for calls KEYX) 100.3 Globe in addition to going to an AOR format and moving its studios to Mesa, will be going stereo. The old KIKO-FM 100.3 was in mono, which, at a distance of 90 miles, was probably the only way the signal was audible in even a portion of the [Phoenix] market." (Pete, let me know if the KEYX transmitter is moved; I would think so if they plan stereo operation and to conquer the Phoenix market, b.e.)

"Lastly, I saw an interview recently with WFBQ Indianapolis's Bob and Tom morning team, which you've mentioned several times in your column as being the target of a campaign to pull advertisers from due to the poor taste relied upon by the program for its 'humor.' According to this article, the campaign has actually backfired—ratings and billings are up at least partially because of all

the publicity that campaign generated for the show. . . . While I have nothing against 'blue' humor per se, I do find B&T's particular show—what I've heard of it—both offensive and flatly not funny. There's a difference between slipping in the occasional offensive joke or profanity because it's a natural part of the audience's lifestyle, and relying on that type of 'entertainment' every time the microphone is opened in a self-conscious effort to shock the audience. There's no excuse for the latter."

Ralph Strobel sent much news from his area, and an article saying how radio wars are erupting for the audience in Muncie, with WOKZ 104.9 battling it out with WLBC-FM 104.1. WOKZ just bought out AM station WERK, and Ralph wonders if 89.9 Miamisburg OH is going to 96.9 and if Chicago and Park Ridge IL on 90.5 and 90.7 will ever get more than 8 watts? [I don't know anything more than what is in the "FM Atlas" and what has been in this column about those stations—b.e. He also wondered what new frequency KCDA 103.1 Coeur d'Alene ID will go to when it gets 100 kw, which I don't know, with no high powered allocation showing for that town on my lists.] Two people sent an article from the Toronto Star on radio ratings, with CHUM-FM 104.5 leading, and CFRB 1010 on a downhill slide. CBL-FM, misidentified as "CBC-FM" had 3 percent of the audience, "a respectable showing for the highbrow station," while CKO, CJRT, CKLN and CJBC (AM, a French station) brought up the rear. Eric Bueneman sent an article on a school disc jockey, Tim Board, at KCFV '89.5 Ferguson MO, winning an award for being a good student-broadcaster. (See his picture below)

Contributors

Joseph H. Albanese, Altoona PA; Murray Bernstein, New York NY; Waldo F. Bishop, Tallahassee FL; Jeff Blair, Lima OH; Richard Clark, La Vega DR; E. Fader, Bronx NY; Roy Efferson, Baton Rouge LA; Ted Fleischaker, Louisville KY; Ed Frye, Los Angeles CA; Paul L. Gaines, Detroit MI; Mark Geyman, South Euclid OH; Roger Gravelle, St. Thomas ON; V. V. Gubitosi, South River NJ; Joel Hermann, Storm Lake IA. Joel says:

"KXXI 93.3 Des Moines still k—they have begun to chip away at KJJY Ankeny's ratings while not making a dent in k leader KSO-AM. KJJY is buying KMFY-1390. Wouldn't be surprised if they drop the big band format on the AM and simulcast. KHAK-AM-FM Cedar Rapids and KLSM-AM-FM Mason City all simulcast due to FCC rule change. KUOO 103.9 Spirit Lake now 24 hours—they are simulcasting KEEY 99.1 Mankato, 1230 to 5:30 a.m. (same owner). Plenty of Z-99 IDs on 103.9; few mentions of KUOO other than legal IDs; this was their response to KJUG (Spencer IA) expanding to 24 hours." Other contributors:

Clarke Ingram, Gilbert AZ (who will be sending some information on Mexican stations, while driving I-8 to CA); A. Jackson, San Juan Bautista CA; John M. Jefferson, Pleasanton CA; Nick Lombardi, Atlanta GA; Fred McCormack, Fargo ND; W. R. McIntosh, Granada Hills CA; George J. Mileon, Lynn MA; A. J. Morinelli, Omaha NE; Dave Nieman, Akron NY; Peter Nolan, Houston TX; Paul R. Mount, Teaneck NJ; Norval Pagenhardt, Scotland MD; Keith D. Pugh, New Hope AL; Richard and Franklin Reese, Jersey Shore PA; Steve Russell, Tucson AZ; David A. Sinclair, Vancouver BC; E. R. Siroy, Westmont IL; Warren Steward, WWIB Cornell WI; Ralph Strobel, Muncie IN; Paul Swearingen, Panorama City CA; Bill Thompson, Buffalo NY; Stephen Tuura, St. Catharines ON; Don Voegelé, Stockton CA; and Baruch L. Vine, somewhere in America's hinterlands!



TV STATISTICS

Bob Seybold
Bennett Rd.
Dunkirk, NY 14048

August 1986

DXer	Location	Total	UHF	XLTR	ES	AU	MS	VB
Bob Seybold	NY Dunkirk	980	478	110	197	6	30	70
Bill Draeb	WI Kewaunee	909	383	106	193	1	113	53
Jeff Kadet	IL Macomb	650	375	83	119	0	1	83
Bill Eckberg	IL Dixon	543	262	39	123	1	18	55
Don Ruland	WI Kenosha	539	272	39	92	0	31	71
Paul Gaines	MI Detroit	527	249	23	81	0	28	72
Jim Pizzi	NM Lovington	523	239	150	189	0	19	61
Marvin Shults	IL Toulon	492	203	27	123	0	26	61
Tom Yingling	MD Baltimore	460	228	44	185	0	12	61
Mike Lapinski	NY Jamestown	424	292	56	47	0	1	78
Fred McCormick	ND Fargo	394	81	105	113	2	1	74
" "	ND Des Lacs	373	28	31	213	0	45	64
Robert Kramer	IL Chicago	388	160	10	90	0	30	??
Mike Hollis	AL Enterprise	371	175	11	75	0	13	80
Roy Barstow	MA Teaticket	350	188	32	84	1	5	71
Dave Nieman	NY Akron	325	253	38	32	0	2	84
Nate Ely	WI Madison	315	180	33	35	0	2	??
Frank Wheeler	PA Erie	290	62	1	228	2	5	55
Fred Norquist	NY Clay	281	143	20	71	0	3	69
Richard Reese	PA Jersey Shore	262	45	0	152	0	28	79
W. R. Hepburn	ON Niagara Falls	242	84	6	84	0	0	76
" "	NT Coral Harbour	10	0	0	9	0	0	84
" "	NT Hall Beach	1	0	0	0	0	0	84
Robert Ross	ON London	242	118	6	69	0	0	76
Allan Michalek	MA Springfield	216	64	6	101	0	0	??
Mike Cunningham	WV Harrisville	195	102	3	43	0	0	83
Ron Purdue	IN Byron	193	97	34	69	0	0	81
John Combs	FL Jacksonville	166	33	9	31	0	0	??
Saul Chernos	ON Toronto	161	6	0	94	0	0	76
" "	ON Brunt River	60	23	0	12	0	0	79
Bob Schweitzer	NJ S. Brunswick	156	104	14	4	0	0	76
Steve Sprachman	NY Seaford	154	84	0	0	0	0	77
John Jefferson	CA Pleasanton	136	50	17	63	0	1	76

Some Personal Best Listed Below:

John Combs, Orlando, FL

Longest:

VHF low tropo, KGBT-4 Texas 1028 miles
VHF hi, WRIK-7 Ponce, PR 1178 miles
UHF tropo, KWEX-41 San Antonio, TX 1034 miles
E-skip, KDUH-4 Scottsbluff, NE 1541 miles

Shortest:

E-skip, WWAY-3 Wilmington, NC 428 miles

Bill Eckberg, Dixon, IL

Longest:

E-skip, YSR-2 El Salvador 1940 miles
VHF tropo, KGUL-11 Galveston, TX 915 miles
UHF tropo, WBFF-45 Baltimore, MD 677 miles
UHF XLTR tropo K3OAE Alva, OK 596 miles
Shortest E-skip, WMCT-5 Memphis, TN 451 miles

Frank Wheeler, Erie, PA

Longest E-skip, CBUT-2 Vancouver, BC 2117 miles

More next time,

73
Bob

SPECIAL REPORT

More South American DX
from Anselmo Roccaforte
in ARGENTINA

During a few days of the past week (July 1 to July 4) there was a big tropo opening to the north of La Plata City and over the River of La Plata and the coast of Uruguay; the MUF was as high as 600 MHz. On Thursday the 3rd I had received the following stations in the VHF-UHF band:

--- FM 88.9 MHz RADIO VENADO TUERTO, Venado Tuerto City, Provincia de Santa Fe. (250 miles from La Plata)
(a low power station)

--- TV VHF LT-83-TV Ch. 3 ROSARIO CITY, Prov. Santa Fe. (220 miles).
I had seen this station very often but never so good at this time, without noise and no problems of adjacent-channel from ch 2 local.

--- TV UHF Ch. 37 Repeater Ch. 7 Argentina Televisora Color (ATC).
Gualetway, Province de Entre Rios. (160 miles)

Note: ch.37 is one of the repeater stations of the head of the network, ATC; with headquarters in Buenos Aires, they feed its repeaters by microwave and by a transponder of INTELSAT. There are few UHF channels in the country, and all are repeater stations; this is one of them, and with low power. I was very lucky to watch one of these stations.

--- VHF HAM 2 m. 147.330 MHz. REPEATER ROSARIO CITY. (160 miles)
147.210 MHz. " " SAN NICOLAS. (180 miles)
147.270 MHz. " " RAFAELA. Prov. Santa fe. (280 mi.)
147.240 MHz. " " PARANA. Prov. Entre Rios. (280 mi.)

Sometimes I haven't any DX news to send because we haven't so many stations as in North America. I am doing a study about television in Japan with information from their TV stations. It is interesting to know their design philosophy on equipment and their networks of repeater stations; they are very friendly and sent me much information.

Sincerely yours, su amigo;

Anselmo

STATION BREAK

WTFDA H.Q.
P.O. Box 514
Buffalo NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

FOR SALE - Finco P-7 UHF 7' parabolic dish, good condition \$50; two Channel Master Hi-Q UHF tunable traps, 40 dB attenuation, \$55 ea., Blonder-Tongue CMA-U amp \$40, 50 foot telescoping mast (local only) \$30. Tom Holmes, 2312 Blakeford Lane, Charlotte NC 28226. (704) 364-9478.

FOR SALE - New Antennacraft P-5 5' dish, \$25. Winegard CPH-1 preamp housing, \$5. Winegard CP-4800 amp \$30. If interested write to: Yefim Mosenkis, 155-22 Jewel Ave., Apt. 7D, Flushing NY 11367.

FOR SALE - Channel Master Hi "Q" trap model 7206 (UHF band) barely used. Excellent condition, \$40 + shipping. Jeff Kadet, Box 20, Macomb IL 61455. (309) 833-1809.

YOUR non-commercial ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WTFDA and the VHF-UHF DIGEST assume no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.

SATELLITE NEWS

August 1986

The equipment here consists of the following:

12' Paralipse dish	M/A Com Videocipher 2000E Descrambler
D X receiver for Ku-Band	MTI Positioner
Drake ESR 324 for C-Band	Composite Custom Made LNA and LNB
Drake SA-24 Audio/Stereo Adaptor	MGA 19" receiver

randums

Reception here for most satellites is quite good. East beams of Aurora on XPDR 19 and 21 are all the video available here. Satcom 3 & 4 weakish. Because of trees reception of European birds will be difficult, but this past spring when the 12' was erected before the trees went to leaf--a Russian was noted on Goroznit (8&9) with ultra-weak signal on 23 on Brazil-Sat. The Morelos is now using half-transponder channeling with the Europeans due to the heavy demand of the World Cup Soccer matches.

Let me know your finds and reception conditions. Let me know what you would want to see in this column.

'73's

Video - Color bars and tone with superimposed ID on SBS-1 (Ku-Band) XPDR 10
SBS 1, 2 & 4 are not supposed to have any video, but this was on the
air with an IBM ID. (6-17-86 at 1PM)

RCA - SATCOM 4 83*W Polarity - Odds Vertical/Evens Horizontal

- 1 Home Shopping Club
- 2 BRAVO (Evenings) - 5.8 Multiplex Stereo
- 3 RAI (encoded) Sunday AM's
- 4 Rock Christian Network
- 5 Nickelodeon (West Coast Feeds)
- 6 Occasional feeds
- 7 Madison Square Garden Network (occasional)
- 8 Liberty Broadcasting Network (NCN) s/c - WWBC Cocoa FL, + others
- 9 The Silent Network (Sat. AM's) for the Deaf
- 10 People's Choice (Pay-Per-View encoded) PM only and may be bankrupt and off-air
- 11 Sportsvision (Chicago)
- 12 American Movie Classics (Evenings)
- 13 American Wholesale Shopping Network (late afternoons)
- 14 Amarillo Livestock Auction (occ. afternoons)
- 15 Home Sports Entertainment (Houston/Dallas) KKBU Houston under billboard
- 16 National Jewish Television (Sun 1-4 PM)
- 17 Money Talks (7-8 PM)
- 18 NESN (New England Sports Net) W J I B - FM Boston under billboard
- 19 Pratico Shopping Channel
- 20 very occasional feeds
- 21 Cable Video Store (1st run films) - ENCODED Not M/A Com
- 22 very occasional feeds
- 23 Hit Video U.S.A. (stereo - 5.8/6.8)
- 24 W P I X - Ch. 11 - New York City
- 25 FNN - Financial News Network - Days
- 26 Prime Ticket Network (Los Angeles) - Nights
- 27 The Nostalgia Channel s/c - American Broadcast Museum Radio Station - Texas
- 28 Home Team Sports - Baltimore/Washington - DC stations
- 29 New England Sports Channel - Nights
- 30 Racing - Encoded
- 31 The Playboy Channel - Nights
- 32 occasional feeds day



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COLUMN!
REPORT TODAY!**

*** PUBLISHER'S NOTES ***

NEW NORTHERN-FM DX EDITOR DUE TO SEVERAL REASONS, NOT LEAST OF WHICH IS LACK OF AVAILABLE TIME, SAUL CHERNOS HAS ASKED US TO FIND A NEW EDITOR FOR THE NORTHERN FM SECTION, AND I'M HAPPY TO REPORT THAT WE'VE GOT ONE! THIS COLUMN WILL NOW BE EDITED BY: JOE FELA - 150 ROBERT PLACE - SOUTH PLAINFIELD, NJ 07080.

SATELLITE NEWS FINALLY, THE VHF-UHF DIGEST HAS A SECTION FOR THE SATELLITE TV ENTHUSIASTS AMONG US. ESTIMATES ARE THAT AS MANY AS 30% OF WTFDA MEMBERS NOW HAVE HOME SATELLITE EQUIPMENT (OR DIRECT ACCESS TO IT), AND BALTIMORE MEMBER GEORGE JENSEN HAS VOLUNTEERED TO START SATELLITE NEWS, A NEW FEATURE COLUMN DETAILING WHAT YOU'LL FIND ON THE "BIRDS." NEEDLESS TO SAY, NOT ALL VIDEO AVAILABLE TO THE HOME SATELLITE ENTHUSIAST IS SCRAMBLED, AND THERE'S SOME STRANGE AND HIGHLY INTERESTING STUFF OUT THERE. IT'S NOT ALL VIDEO, EITHER, AS MANY UNIQUE FM SERVICES ARE ALSO THERE TO BE MONITORED. SOME PURISTS MAY OBJECT THAT THIS IS NOT "DX"--THE ARGUMENT BEING THAT THOSE SIGNALS ARE LINE-OF-SIGHT "LOCALS" (FROM 22,300 MILES!)--BUT WITH GOOD EQUIPMENT, YOU CAN WATCH AND HEAR SERVICES THAT AREN'T "SUPPOSED" TO BE TUNED IN YOUR AREA--AND THAT IDEA SOUNDS A LOT LIKE DXING TO US! PLEASE LET WTFDA HQ KNOW WHAT YOU THINK OF THIS COLUMN--IF YOU'VE COME ACROSS SOMETHING OF INTEREST ON A DOWNLINK, LET GEORGE KNOW ABOUT IT! WRITE:

GEORGE JENSEN - 4604 ANNTANA AVENUE - BALTIMORE, MD 21204

REPRINT SERVICE GREAT NEWS ON THIS ONE! NONE OTHER THAN TECHNICAL TOPIX EDITOR TIM MCVEY HAS COME FORTH TO RE-START A WTFDA CLUB ARTICLE REPRINT SERVICE. BE WATCHING FOR FURTHER DETAILS, AND POSSIBLY A NEW REPRINT CATALOG--WE MAY BE ABLE TO INSERT THIS INTO A FUTURE VUD EDITION. A GREAT BIG THANKS GOES TO TIM FOR THIS--IN FACT, HE HAS BEEN DOING THIS INFORMALLY FOR MEMBERS WHO HAVE ASKED HIM FOR COPIES OF ARTICLES IN THE PAST.

ON THE COVER IS THE SEASON REALLY THAT BAD? THE E-SKIP DROUGHT EXPERIENCED BY MANY FM AND TV DXERS MAY HAVE FINALLY EASED UP IN LATE JULY, BUT IT LOOKS LIKE IT'S TOO LATE FOR THAT POOR FELLOW ON THE COVER! THANKS TO DX ARTIST HARRY HAYES FOR ANOTHER CLASSIC V.U.D. COVER.

CLUB PUBLICITY I'VE BEEN MEANING TO THANK SOME VERY KIND V.U.D. READERS AND WTFDA CLUB MEMBERS FOR HELPING TO PUBLICIZE THE HOBBY AND WTFDA IN RECENT WEEKS. FIRST, MANY THANKS GO TO MARK MANUCY, EDITOR OF POPULAR COMMUNICATIONS' BROADCAST TOPIX COLUMN. MARK IS NOT A CLUB MEMBER, BUT IS ONE OF THE DXING WORLD'S MOST WIDELY-READ COLUMNISTS. HIS MENTION OF WTFDA IN THE JUNE POP/COMM RESULTED IN MANY REQUESTS FOR INFORMATION ON OUR ORGANIZATION. WE ALSO ARE VERY GRATEFUL TO FCC FM NEWS EDITOR DR. BRUCE ELVING FOR DEVOTING A CONSIDERABLE AMOUNT OF SPACE TO FM DXING AND WTFDA IN HIS NEW FM ATLAS (THE TENTH EDITION--IF YOU HAVE EVEN THE SLIGHTEST INTEREST IN THE FM BAND, YOU SHOULD HAVE ONE!) AND MENTIONING WTFDA AGAIN IN RADIO WORLD, A TRADE JOURNAL. WE'VE BEEN MENTIONED IN OTHER NEWSLETTERS AND PERIODICALS RELATING TO BROADCASTING AND DXING LATELY, AND EVEN RECEIVED PUBLICITY IN NONE OTHER THAN THE SUPERB BULLETIN OF THE ANTIQUE WIRELESS ASSOCIATION (AWA) SEVERAL MONTHS AGO! WHEN AND IF YOU ARE THE PERSON RESPONSIBLE FOR IT, LET CLUB HQ KNOW--SUCH A GESTURE IS APPRECIATED BY US ALL, AND BENEFITS YOUR HOBBY.

SUGGESTIONS WELCOME! AS YOUR CLUB PUBLISHER, I'M ALWAYS SEEKING IDEAS ON HOW TO IMPROVE THE VUD. ANY COMMENTS OR CRITICISMS ARE WELCOME, AND WILL BE HELD IN THE STRICTEST CONFIDENCE. PLEASE, DON'T WRITE TO ME JUST TO CRITICIZE ANOTHER DX PUBLICATION OR MAGAZINE--MY PRIMARY CONCERN IS THE VHF-UHF DIGEST. 73 & GOOD DX...

--BILL THOMPSON

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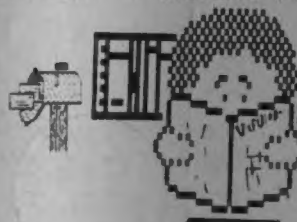
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1982	23	22	3	32	26	17	21	29	25	24	42	0
1983	22	3	0	5	0	0	13	0	2	14	0	0
1984	0	2	0	0	2	9	0	0	0	14	11	21
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